



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204
(317) 232-8603
Toll Free (800) 451-6027
www.idem.IN.gov

TO: Interested Parties / Applicant

DATE: May 14, 2013

RE: Valeo Engine Cooling, Inc. / 031-33052-00014

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

Notice of Decision: Approval - Effective Immediately

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

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

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

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

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

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

Enclosures
FNPER-MOD.dot 12/3/07



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Wayne Wagers
Valeo Engine Cooling, Inc.
1100 East Barachel Lane
Greensburg, IN 47240

May 14, 2013

Re: F031-33052-00014
First Minor Revision to
F031-29500-00014

Dear Mr. Wagers,

Valeo Engine Cooling, Inc. was issued a Federally Enforceable State Operating Permit (FESOP) Renewal No. F031-29500-00014 on March 10, 2011 for a stationary fabrication plant producing automobile condensers, radiators, and cooling modules located at 1100 E. Barachel Lane, Greensburg, IN 47240. On April 4, 2013, the Office of Air Quality (OAQ) received an application from the source requesting the addition of thirteen (13) natural gas air handlers, modification of Braze Line #2, removal of one (1) welder and nine (9) mills, correction of boiler description and spray fluxers (to indicate that they exhaust outdoors), and addition of a blast booth. 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 Minor Permit Revision (MPR) procedures of 326 IAC 2-8-11.1(e). Pursuant to the provisions of 326 IAC 2-8-11.1, a minor 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 minor permit revision into the permit. All other conditions of the permit shall remain unchanged and in effect. Attached please find the entire revised permit.

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 Deena Patton of my staff at 317-234-5400 or 1-800-451-6027, and ask for extension 4-5400.

Sincerely,



Nathan Bell, Section Chief
Permits Branch
Office of Air Quality

Attachments: Technical Support Document and revised permit

NB/DP

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



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Federally Enforceable State Operating Permit Renewal OFFICE OF AIR QUALITY

**Valeo Engine Cooling, Inc.
1100 East Barachel Lane,
Greensburg, Indiana 47240**

(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. F031-29500-00014	
Original Signed by: Iryn Calilung, Section Chief Permits Branch Office of Air Quality	Issuance Date: March 10, 2011 Expiration Date: March 10, 2021

First Administrative Amendment No. F031-32682-00014, issued February 12, 2013

First Minor Permit Revision No. F031-33052-00014	
Issued by:  Nathan C. Bell, Section Chief Permits Branch Office of Air Quality	Issuance Date: May 14, 2013 Expiration Date: March 10, 2021

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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.4 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 automotive condenser, radiator, and cooling module fabrication operation.

Source Address:	1100 East Barachel Lane, Greensburg, Indiana 47240
General Source Phone Number:	(812) 527-3028
SIC Code:	3714 (Other Motor Vehicle Parts Manufacturing)
County Location:	Decatur
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) NOCOLOK radiator, condenser, and charge air cooler manufacturing process, consisting of the following:
 - (1) One (1) Core assembly process, identified as Core Assembly, constructed in 1995, consisting of associated fin mills, core builders, tube mills, turbulators, and other related equipment, using evaporative oils containing a maximum VOC content of two and four tenths (2.4) pounds per gallon of oil or less, uncontrolled and exhausting inside the building. This process was approved for modification in 2013 for construction of an additional tube mill. The equipment under the core assembly process is not stationary and can be moved from one location to another within the facility depending on the production needs.
 - (2) One (1) braze line, identified as Braze Line #1, constructed in 1991, with a maximum capacity of two hundred (200) aluminum cores (2,000 pounds) per hour and consisting of the following:
 - (A) One (1) natural gas-fired core conditioning oven with a maximum heat input capacity of three and two tenths (3.2) MMBtu per hour, uncontrolled and exhausting at stack PE-20;
 - (B) One (1) spray fluxer with a maximum capacity of eleven (11.0) pounds of flux per hour, uncontrolled and exhausting outside the building;
 - (C) One (1) natural gas-fired flux dry-off oven a maximum heat input capacity of one and two tenths (1.2) MMBtu per hour, uncontrolled and exhausting at stack PE-22; and

- (D) One (1) nitrogen electric braze oven and cool down station, uncontrolled and exhausting at stacks PE-23 and PE-24, respectively.
- (3) One (1) super braze line, identified as Braze Line #2, constructed in 1995, approved for modification in 2013, with a maximum capacity of two hundred fifty (250) aluminum cores (7,600 pounds) per hour and consisting of the following:
 - (A) One (1) natural gas-fired core conditioning oven with a maximum heat input capacity of four (4.0) MMBtu per hour, uncontrolled and exhausting at stack PE-31;
 - (B) One (1) nitrogen electric braze oven and cool down station, uncontrolled and exhausting at stacks PE-35 and PE-36, respectively.
- (4) One (1) braze line, identified as Braze Line #3, constructed in 1996, with a maximum capacity of two hundred fifty (250) aluminum cores (3,800 pounds) per hour and consisting of the following:
 - (A) One (1) natural gas-fired core conditioning oven with a maximum heat input capacity of four (4.0) MMBtu per hour, uncontrolled and exhausting at stack PE-44;
 - (B) One (1) spray fluxer with a maximum capacity of eleven (11.0) pounds of flux per hour, uncontrolled and exhausting outside the building;
 - (C) One (1) natural gas-fired flux dry-off oven a maximum heat input capacity of one and five tenths (1.5) MMBtu per hour, uncontrolled and exhausting at stack PE-47; and
 - (D) One (1) nitrogen electric braze oven and cool down station, uncontrolled and exhausting at stacks PE-48 and PE-49, respectively.
- (5) One (1) braze line, identified as Braze Line #5, constructed in 1997, with a maximum capacity of one hundred thirty (130) aluminum cores (2,250 pounds) per hour and consisting of the following:
 - (A) One (1) natural gas-fired core conditioning oven with a maximum heat input capacity of two and five tenths (2.5) MMBtu per hour, uncontrolled and exhausting at stack PE-59;
 - (B) One (1) spray fluxer with a maximum capacity of eleven (11.0) pounds of flux per hour, uncontrolled and exhausting outside the building;
 - (C) One (1) natural gas-fired flux dry-off oven a maximum heat input capacity of one and five tenths (1.5) MMBtu per hour, uncontrolled and exhausting at stack PE-62; and
 - (D) One (1) nitrogen electric braze oven and cool down station, uncontrolled and exhausting at stacks PE-63 and PE-64, respectively.
- (6) One (1) braze line, identified as Braze Line #6, constructed in 1997, with a maximum capacity of five hundred (500) aluminum cores (7,500 pounds) per hour and consisting of the following:

- (A) One (1) natural gas-fired core conditioning oven with a maximum heat input capacity of four (4.0) MMBtu per hour, uncontrolled and exhausting to stack PE-600A, B;
 - (B) One (1) spray fluxer with a maximum capacity of eleven (11.0) pounds of flux per hour, uncontrolled and exhausting outside the building;
 - (C) One (1) natural gas-fired flux dry-off oven a maximum heat input capacity of one and five tenths (1.5) MMBtu per hour, uncontrolled and exhausting at stack PE-602; and
 - (D) One (1) nitrogen electric braze oven and cool down station exhausting at stacks PE-603A and PE-603B, respectively.
- (7) One (1) braze line, identified as Braze Line #8, constructed in 2009, with a maximum capacity of two hundred (200) radiators (5,718 pounds) per hour and consisting of the following:
- (A) One (1) natural gas-fired core conditioning oven with a maximum heat input capacity of four (4.0) MMBtu per hour, uncontrolled and exhausting at stack PE-59;
 - (B) One (1) spray fluxer with a maximum capacity of eighty-eight (88.0) pounds (40,000 grams) of flux per hour, uncontrolled and exhausting outside the building;
 - (C) One (1) natural gas-fired flux dry-off oven with a maximum heat input capacity of eight tenths (0.8) MMBtu per hour and exhausting at stack PE-702;
 - (D) One (1) natural gas-fired braze furnace convection pre-heat chamber with a maximum input capacity of two (2.0) MMBtu per hour, uncontrolled and exhausting at stack PE-702; and
 - (E) One (1) electric braze oven and cool down station, uncontrolled and exhausting at stacks PE-703A and PE-703B, respectively.
- (8) Powder coating operations, constructed in 1989, and including the following:
- (A) One (1) electrostatic powder paint booth and filter system, identified as paint booth #1, with a maximum material usage rate of twelve (12.0) pounds of paint per hour, controlled by one (1) integral cartridge filter system used to reclaim the unused powder paint for reuse, and a second filter system for particulate control, and exhausting inside the building;
 - (B) One (1) electrostatic powder paint booth and filter system, identified as paint booth #2, with a maximum material usage rate of twenty-three (23.0) pounds of paint per hour, controlled by one (1) integral cartridge filter system used to reclaim the unused powder paint for reuse, and a second filter system for particulate control, and exhausting inside the building;
 - (C) Two (2) natural gas-fired paint dry-off ovens, with a maximum heat input capacity of one and five tenths (1.5) MMBtu per hour, each, uncontrolled and exhausting at stacks PE-29 and PE-605, respectively; and

- (D) One (1) natural gas-fired paint hook burn-off oven, with a maximum heat input capacity of four hundred seventy-five thousandths (0.475) MMBtu per hour, uncontrolled and exhausting at stack PE-28.
- (9) Two (2) robotic arc welders, each with a maximum electrode consumption of two and one tenth (2.1) pounds per hour, uncontrolled and exhausting inside the building.
- (b) One (1) abrasive blast booth, identified as blast booth, constructed in September 2008, with a maximum blasting rate of 1,000 lbs/hr, using a filter as control, and exhausting indoors.

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) natural gas-fired boiler, installed in 2001, with a maximum heat input capacity of one and forty-six tenths (1.46) MMBtu per hour, uncontrolled and exhausting inside the building. [326 IAC 6-2-4]
- (b) Brazing equipment, cutting torches, soldering equipment, welding equipment. [326 IAC 6-3]
- (c) Paved and unpaved roads and parking lots with public access. [326 IAC 6-4]
- (d) Combustion source flame safety purging on startup.
- (e) Storage tanks with capacity less than or equal to 1,000 gallons and annual throughputs less than 12,000 gallons.
- (f) Vessels storing lubricating oils, hydraulic oils, machining oils, and machining fluids.
- (g) Application of oils, greases, lubricants, or other nonvolatile materials applied as temporary protective coatings.
- (h) Machining where an aqueous cutting coolant continuously floods the machining interface.
- (i) Cleaners and solvents having a vapor pressure equal to less than two (2.0) kPa; fifteen (15) mm Hg; or two (2.0) psi measured at thirty-eight (38 °C) degrees Celsius (100 °F).
- (j) Closed loop heating and cooling system.
- (k) Forced and induced draft cooling tower system not regulated under a NESHAP.
- (l) Quenching operations used with heat treating processes.
- (m) Heat exchanger cleaning and repair.
- (n) Process vessel degassing and cleaning to prepare for internal repairs.
- (o) Purging of gas lines and vessels that is related to routine maintenance and repair of buildings, structures, or vehicles at the source where air emissions from those activities would not be associated with any production process.
- (p) Equipment used to collect any material that might be released during a malfunction, process upset, or spill cleanup, including catch tanks, temporary liquid separators, tanks, and fluid handling equipment.

- (q) Blow-down for any of the following: sight glass, boiler, compressors, pumps, and cooling tower.
- (r) On-site fire and emergency response training approved by the department.
- (s) Stationary fire pumps.
- (t) Four (4) natural gas fired air handlers, identified as #1 through #4, each constructed in 1989, each with a heat input capacity of 2.475 MMBtu/hr, each using no controls, and each exhausting indoors
- (u) Two (2) natural gas fired air handlers, identified as #5 and #6, each constructed in 1989, each with a heat input capacity of 3.013 MMBtu/hr, each using no controls, and each exhausting indoors.
- (v) Two (2) natural gas fired air handlers, identified as #7 and #8, each constructed in 1995, each with a maximum heat input capacity of 2.475 MMBtu/hr, each using no controls, and each exhausting indoors.
- (w) Two (2) natural gas fired air handlers, identified as #9 and #10, each constructed in 1998, each with a maximum heat input capacity of 3.575 MMBtu/hr, each using no controls, and each exhausting indoors.
- (x) Two (2) natural gas fired air handlers, identified as #11 and #12, each constructed in 2000, each with a maximum heat input capacity of 3.575 MMBtu/hr, each using no controls, and each exhausting indoors.
- (y) One (1) natural gas fired air handler, identified as #13(Prototype), constructed in 2000, with a heat input capacity of 1.65 MMBtu/hr, using no controls, 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) to renew 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, F031-29500-00014, is issued for a fixed term of ten (10) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, until the renewal permit has been issued or denied.

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

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

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

B.4 Enforceability [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. All certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted no later than July 1 of each year to:

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

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

The Permittee shall implement the PMPs.

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

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

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

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

The Permittee shall implement the PMPs.

- (c) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions. The PMPs and their submittal do not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (d) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation, Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

B.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 F031-29500-00014 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(40). 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) and greenhouse gases (GHGs), 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.
- (4) The potential to emit greenhouse gases (GHGs) from the entire source shall be limited to less than one hundred thousand (100,000) tons of CO₂ equivalent emissions (CO₂e) 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 demolitions 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)]

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

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

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

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

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

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.
- (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 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.13 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.14 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.15 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:
- (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:
- (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 operation 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.16 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) 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.17 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

EMISSION UNIT OPERATION CONDITIONS

Emission Unit Description [326 IAC 2-8-4(10)]:

- (a) One (1) NOCOLOK radiator, condenser, and charge air cooler manufacturing process, consisting of the following:
- (1) One (1) Core assembly process, identified as Core Assembly, constructed in 1995, consisting of associated fin mills, core builders, tube mills, turbulators, and other related equipment, using evaporative oils containing a maximum VOC content of two and four tenths (2.4) pounds per gallon of oil or less, uncontrolled and exhausting inside the building. This process was approved for modification in 2013 for construction of an additional tube mill. The equipment under the core assembly process is not stationary and can be moved from one location to another within the facility depending on the production needs.
 - (2) One (1) braze line, identified as Braze Line #1, constructed in 1991, with a maximum capacity of two hundred (200) aluminum cores (2,000 pounds) per hour and consisting of the following:
 - (A) One (1) natural gas-fired core conditioning oven with a maximum heat input capacity of three and two tenths (3.2) MMBtu per hour, uncontrolled and exhausting at stack PE-20;
 - (B) One (1) spray fluxer with a maximum capacity of eleven (11.0) pounds of flux per hour, uncontrolled and exhausting outside the building;
 - (C) One (1) natural gas-fired flux dry-off oven a maximum heat input capacity of one and two tenths (1.2) MMBtu per hour, uncontrolled and exhausting at stack PE-22; and
 - (D) One (1) nitrogen electric braze oven and cool down station, uncontrolled and exhausting at stacks PE-23 and PE-24, respectively.
 - (3) One (1) super braze line, identified as Braze Line #2, constructed in 1995, approved for modification in 2013, with a maximum capacity of two hundred fifty (250) aluminum cores (7,600 pounds) per hour and consisting of the following:
 - (A) One (1) natural gas-fired core conditioning oven with a maximum heat input capacity of four (4.0) MMBtu per hour, uncontrolled and exhausting at stack PE-31;
 - (B) One (1) nitrogen electric braze oven and cool down station, uncontrolled and exhausting at stacks PE-35 and PE-36, respectively.
 - (4) One (1) braze line, identified as Braze Line #3, constructed in 1996, with a maximum capacity of two hundred fifty (250) aluminum cores (3,800 pounds) per hour and consisting of the following:
 - (A) One (1) natural gas-fired core conditioning oven with a maximum heat input capacity of four (4.0) MMBtu per hour, uncontrolled and exhausting at stack PE-44;
 - (B) One (1) spray fluxer with a maximum capacity of eleven (11.0) pounds of flux per hour, uncontrolled and exhausting outside the building;

- (C) One (1) natural gas-fired flux dry-off oven a maximum heat input capacity of one and five tenths (1.5) MMBtu per hour, uncontrolled and exhausting at stack PE-47; and
 - (D) One (1) nitrogen electric braze oven and cool down station, uncontrolled and exhausting at stacks PE-48 and PE-49, respectively.
- (5) One (1) braze line, identified as Braze Line #5, constructed in 1997, with a maximum capacity of one hundred thirty (130) aluminum cores (2,250 pounds) per hour and consisting of the following:
- (A) One (1) natural gas-fired core conditioning oven with a maximum heat input capacity of two and five tenths (2.5) MMBtu per hour, uncontrolled and exhausting at stack PE-59;
 - (B) One (1) spray fluxer with a maximum capacity of eleven (11.0) pounds of flux per hour, uncontrolled and exhausting outside the building;
 - (C) One (1) natural gas-fired flux dry-off oven a maximum heat input capacity of one and five tenths (1.5) MMBtu per hour, uncontrolled and exhausting at stack PE-62; and
 - (D) One (1) nitrogen electric braze oven and cool down station, uncontrolled and exhausting at stacks PE-63 and PE-64, respectively.
- (6) One (1) braze line, identified as Braze Line #6, constructed in 1997, with a maximum capacity of five hundred (500) aluminum cores (7,500 pounds) per hour and consisting of the following:
- (A) One (1) natural gas-fired core conditioning oven with a maximum heat input capacity of four (4.0) MMBtu per hour, uncontrolled and exhausting to stack PE-600A, B;
 - (B) One (1) spray fluxer with a maximum capacity of eleven (11.0) pounds of flux per hour, uncontrolled and exhausting outside the building;
 - (C) One (1) natural gas-fired flux dry-off oven a maximum heat input capacity of one and five tenths (1.5) MMBtu per hour, uncontrolled and exhausting at stack PE-602; and
 - (D) One (1) nitrogen electric braze oven and cool down station exhausting at stacks PE-603A and PE-603B, respectively.
- (7) One (1) braze line, identified as Braze Line #8, constructed in 2009, with a maximum capacity of two hundred (200) radiators (5,718 pounds) per hour and consisting of the following:
- (A) One (1) natural gas-fired core conditioning oven with a maximum heat input capacity of four (4.0) MMBtu per hour, uncontrolled and exhausting at stack PE-59;
 - (B) One (1) spray fluxer with a maximum capacity of eighty-eight (88.0) pounds (40,000 grams) of flux per hour, uncontrolled and exhausting outside the building;

- (C) One (1) natural gas-fired flux dry-off oven with a maximum heat input capacity of eight tenths (0.8) MMBtu per hour and exhausting at stack PE-702;
 - (D) One (1) natural gas-fired braze furnace convection pre-heat chamber with a maximum input capacity of two (2.0) MMBtu per hour, uncontrolled and exhausting at stack PE-702; and
 - (E) One (1) electric braze oven and cool down station, uncontrolled and exhausting at stacks PE-703A and PE-703B, respectively.
- (8) Powder coating operations, constructed in 1989, and including the following:
- (A) One (1) electrostatic powder paint booth and filter system, identified as paint booth #1, with a maximum material usage rate of twelve (12.0) pounds of paint per hour, controlled by one (1) integral cartridge filter system used to reclaim the unused powder paint for reuse, and a second filter system for particulate control, and exhausting inside the building;
 - (B) One (1) electrostatic powder paint booth and filter system, identified as paint booth #2, with a maximum material usage rate of twenty-three (23.0) pounds of paint per hour, controlled by one (1) integral cartridge filter system used to reclaim the unused powder paint for reuse, and a second filter system for particulate control, and exhausting inside the building;
 - (C) Two (2) natural gas-fired paint dry-off ovens, with a maximum heat input capacity of one and five tenths (1.5) MMBtu per hour, each, uncontrolled and exhausting at stacks PE-29 and PE-605, respectively; and
 - (D) One (1) natural gas-fired paint hook burn-off oven, with a maximum heat input capacity of four hundred seventy-five thousandths (0.475) MMBtu per hour, uncontrolled and exhausting at stack PE-28.
- (9) Two (2) robotic arc welders, each with a maximum electrode consumption of two and one tenth (2.1) pounds per hour, uncontrolled and exhausting inside the building.

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

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

D.1.1 BACT Limit [326 IAC 8-1-6]

Pursuant to 326 IAC 8-1-6 (BACT), the Permittee shall comply with the following:

- (a) The VOC input from the evaporating oil usage in the one (1) NOCOLOK radiator, condenser, and charge air cooler manufacturing process shall not exceed eighty-seven (87.0) tons per twelve (12) consecutive month period, with compliance determined at the end of each month.
- (b) The Permittee shall use oils containing no more than two and four tenths (2.4) pounds of VOC per gallon of oil utilized on all fin mills, tube mills, and turbulator mills;
- (c) The Permittee shall use a micro-coat application system on all fin mills, tube mills, and turbulator mills to minimize oil usage.

D.1.2 Particulate [326 IAC 6-3]

- (a) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from each of the brazing operations, performed in the electric braze ovens, and accompanying cool down stations shall not exceed the pounds per hour limitations listed in the table below:

Emission ID	Process Weight Rate		326 IAC 6-3 Allowable Emission Rate (lbs/hour)
	(lbs/hour)	(tons/hour)	
Line #1 Braze Oven & Cool Down Station	2,000	1.00	4.10
Line #2 Braze Oven & Cool Down Station	7,600	3.8	10.03
Line #3 Braze Oven & Cool Down Station	3,800	1.90	6.30
Line #5 Braze Oven & Cool Down Station	2,250	1.12	4.43
Line #6 Braze Oven & Cool Down Station	7,500	3.75	9.93
Line #8 Braze Oven & Cool Down Station	5,718	2.86	8.29

- (b) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the two (2) electrostatic powder paint booths (identified as paint booths #1 and #2), comprising the powder coating operations, shall not exceed the pounds per hour limitations listed in the table below:

Emission ID	Process Weight Rate		326 IAC 6-3 Allowable Emission Rate (lbs/hour)
	(lbs/hour)	(tons/hour)	
Paint Booth #1	12	0.006	0.13
Paint Booth #2	23	0.012	0.21

These limitations were calculated as follows:

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:

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

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

Pursuant to 326 IAC 4-2-2 (Incinerators), the paint hook burn-off oven shall:

- (a) Consist of primary and secondary chambers or the equivalent;
- (b) Be equipped with a primary burner unless burning wood products;
- (c) Comply with 326 IAC 5-1 and 326 IAC 2;

- (d) Be maintained, operated, and burn waste in accordance with the manufacturer's specifications or an operation and maintenance plan as specified in 326 IAC 4-2-2(c); and
- (e) Not emit particulate matter in excess of five-tenths (0.5) pounds of particulate matter per one thousand (1,000) pounds of dry exhaust gas under standard conditions corrected to fifty percent (50%) excess air for incinerators.

If any of the above requirements are not met, the Permittee shall stop charging the incinerator until adjustments are made that address the underlying cause of the deviation.

D.1.4 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

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

Compliance Determination Requirements

D.1.5 Volatile Organic Compounds (VOC) [326 IAC 8-1-2] [326 IAC 8-1-4]

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

D.1.6 Particulate Control

In order to comply with Condition D.1.2(b), the integral cartridge filter system used in conjunction with the electrostatic powder coating operations, shall be in operation and control emissions from the two (2) electrostatic powder paint booths at all times when either or both of the two (2) electrostatic powder paint booths are in operation.

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

D.1.7 Record Keeping Requirements

- (a) To document the compliance status with Condition D.1.1(a), the Permittee shall maintain records in accordance with (1) through (3) below. Records maintained for (1) through (3) shall be taken as stated below and shall be complete and sufficient to establish compliance with the VOC content and VOC usage limits established in Condition D.1.1(a).
 - (1) The VOC content of each evaporating oil used;
 - (2) The amount of evaporating oils used on a monthly basis. Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used; and
 - (3) The total VOC usage for each month.
- (b) Section C - General Record Keeping Requirements contains the Permittee's obligations with regard to the records required by this condition.

D.1.8 Reporting Requirements

A quarterly summary of the information to document the compliance status with Condition D.1.1(a) shall be submitted using the reporting forms located at the end of this permit, or their

equivalent, not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

SECTION D.2

EMISSION UNIT OPERATION CONDITIONS

Emission Unit Description [326 IAC 2-8-4(10)]: Boiler

- (a) One (1) natural gas-fired boiler, installed in 2001, with a maximum heat input capacity of one and forty-six tenths (1.46) million British thermal units (MMBtu) per hour. [326 IAC 6-2-4]

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

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

D.2.1 Particulate [326 IAC 6-2-4]

Pursuant to 326 IAC 6-2-4 (Particulate Emission Limitations for Sources of Indirect Heating), PM emissions from the one (1) natural gas-fired boiler shall not exceed six tenths (0.6) lbs PM per MMBtu.

SECTION D.3

EMISSION UNIT OPERATION CONDITIONS

Emission Unit Description [326 IAC 2-8-4(10)]:

- (b) One (1) abrasive blasting booth, identified as blast booth, constructed in September 2008, with a maximum blasting rate of 1000 pounds per hour, using a filter as control, and exhausting indoors.

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

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

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

Pursuant to 326 IAC 6-3-2, the particulate matter (PM) from the abrasive blast booth shall not exceed 2.58 pounds per hour when operating at a process weight rate of 0.50 tons per hour. The pound per hour limitation was calculated with the following equation:

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:

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

D.3.2 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

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

Compliance Determination Requirements

D.3.3 Particulate Control

In order to comply with Condition D.3.1, the filter shall be in operation and control emissions from the abrasive blast booth at all times the abrasive blast booth is in operation.

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

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
CERTIFICATION**

Source Name: Valeo Engine Cooling, Inc.
Source Address: 1100 East Barachel Lane, Greensburg, Indiana 47240
FESOP Permit No.: F031-29500-00014

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: Valeo Engine Cooling, Inc.
Source Address: 1100 East Barachel Lane, Greensburg, Indiana 47240
FESOP Permit No.: F031-29500-00014

This form consists of 2 pages

Page 1 of 2

- | |
|---|
| <input type="checkbox"/> This is an emergency as defined in 326 IAC 2-7-1(12) <ul style="list-style-type: none">• 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

FESOP Quarterly Report

Source Name: Valeo Engine Cooling, Inc.
Source Address: 1100 East Barachel Lane, Greensburg, Indiana 47240
FESOP Permit No.: F031-29500-00014
Facility: NOCOLOK radiator, condenser, and charge air cooler manufacturing process.
Parameter: Volatile Organic Compounds (VOCs)
Limit: Volatile Organic Compound (VOC) input from the usage of evaporating oils in the one (1) NOCOLOK radiator, condenser, and charge air cooler manufacturing process shall not exceed eighty-seven (87) tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

QUARTER: _____ YEAR: _____

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

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

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

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

COMPLIANCE AND ENFORCEMENT BRANCH

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT**

Source Name: Valeo Engine Cooling, Inc.
Source Address: 1100 East Barachel Lane, Greensburg, Indiana 47240
FESOP Permit No.: F031-29500-00014

Months: _____ to _____ Year: _____

Page 1 of 2

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

Source Description and Location

Source Name: Valeo Engine Cooling, Inc.
Source Location: 1100 East Barachel Lane, Greensburg, IN 47240
County: Decatur
SIC Code: 3714 (Motor Vehicle Parts and Accessories)
Operation Permit No.: F031-29500-00014
Operation Permit Issuance Date: March 10, 2011
Minor Permit Revision No.: 031-33052-00014
Permit Reviewer: Deena Patton

On April 4, 2013, the Office of Air Quality (OAQ) received an application from Valeo Engine Cooling, Inc. related to a modification to an existing stationary fabrication plant producing automobile condensers, radiators, and cooling modules.

Existing Approvals

The source was issued FESOP Renewal No. 031-29500-00014 on March 10, 2011. The source has since received Administrative Amendment No. 031-32682-00014, issued on February 12, 2013.

County Attainment Status

The source is located in Decatur County.

Pollutant	Designation
SO ₂	Better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O ₃	Unclassifiable or attainment effective June 15, 2004, for the 8-hour ozone standard. ¹
PM ₁₀	Unclassifiable effective November 15, 1990.
NO ₂	Cannot be classified or better than national standards.
Pb	Not designated.
¹ Unclassifiable or attainment effective October 18, 2000, for the 1-hour ozone standard which was revoked effective June 15, 2005. Unclassifiable or attainment effective April 5, 2005, for PM _{2.5} .	

- (a) **Ozone Standards**
 Volatile organic compounds (VOC) and Nitrogen Oxides (NOx) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NOx emissions are considered when evaluating the rule applicability relating to ozone. Decatur County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NOx emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (b) **PM_{2.5}**
 Decatur County has been classified as attainment for PM_{2.5}. On May 8, 2008 U.S. EPA promulgated the requirements for Prevention of Significant Deterioration (PSD) for PM_{2.5} emissions. These rules became effective on July 15, 2008. On May 4, 2011 the air pollution

control board issued an emergency rule establishing the direct PM_{2.5} significant level at ten (10) tons per year. This rule became effective, June 28, 2011. Therefore, direct PM_{2.5} and SO₂ emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability – Entire Source section.

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

Fugitive Emissions

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 031-32682-00014, issued on February 12, 2013.

Process/ Emission Unit	Potential To Emit of the Entire Source Prior to Revision (tons/year)									
	PM	PM10	PM2.5	SO ₂	NO _x	VOC	CO	GHGs as CO ₂ e**	Total HAPs	Worst Single HAP
Core Assembly (Process) (Fin Mills/ Tube Mills/Turbulators)	0.00	0.00	0.00	0.00	0.00	<87.0	0.00	0.00	4.0E-2	4.0 E-2 (Toluene)
Core Conditioning Ovens (Combustion)	0.14	0.58	0.58	0.05	7.60		6.38	9176	0.143	0.137 (Hexane)
Spray Fluxers (Process)	1.30	1.30	1.30	0.00	0.00		0.00	0.00	0.00	0.00
Flux Dry off Ovens (combustion)	0.05	0.21	0.21	0.02	2.79		2.34	3370	0.053	0.050 (Hexane)
Braze Ovens with Cooling Stations (Process)	21.49	21.49	21.49	0.00	0.00		0.00	0.00	0.00	0.00
Convection Pre Heat Chamber (Braze Line #8)(Combustion)	0.02	0.07	0.07	0.01	0.86	0.05	0.72	1037	0.016	0.015 (Hexane)
Electrostatic Powder Paint Booths (Process)	3.36	3.36	3.36	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Paint Dry Off Ovens (Combustion)	0.02	0.10	0.10	0.01	1.29	0.07	1.08	1555	0.024	0.023 (Hexane)
Paint Hook Burn Off Oven (Process)	6.57	6.57	6.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paint Hook Burn Off Oven (Combustion)	3.9E-3	0.02	0.02	1.2E-3	0.20	0.01	0.17	246	0.004	3.7E-3 (Hexane)
Robotic Welders (MIG) (Process)	0.67	0.67	0.67	0.00	0.00	0.00	0.00	0.00	0.059	0.034 (Nickel)
Natural Gas Fired Boiler (Combustion)	0.01	0.06	0.06	4.4E-3	0.73	0.04	0.61	757	0.014	0.013 (Hexane)

Process/ Emission Unit	Potential To Emit of the Entire Source Prior to Revision (tons/year)									
	PM	PM10	PM2.5	SO ₂	NO _x	VOC	CO	GHGs as CO ₂ e**	Total HAPs	Worst Single HAP
Total PTE of Entire Source	33.64	34.41	34.41	0.08	13.47	87.17	11.31	16141	0.353	0.24 (Hexane)
Title V Major Source Thresholds**	NA	100	100	100	100	100	100	100,000	25	10
PSD Major Source Thresholds**	250	250	250	250	250	250	250	100,000	NA	NA

negl. = negligible
These emissions are based upon Administrative Amendment F031-32682-00014.
**The 100,000 CO₂e threshold represents the Title V and PSD subject to regulation thresholds for GHGs in order to determine whether a source's emissions are a regulated NSR pollutant under Title V and PSD.

- (a) This existing source is not a major stationary source, under PSD (326 IAC 2-2), because no attainment 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 are 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).

Description of Proposed Revision

The Office of Air Quality (OAQ) has reviewed an application, submitted by Valeo Engine Cooling, Inc. on April 4, 2013, relating to addition of thirteen (13) natural gas air handlers, modification of Braze Line #2, removal of one (1) welder and nine (9) mills, correction of boiler description and spray fluxers (to indicate that they exhaust outdoors), and addition of a blast booth.

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

- (a) One (1) natural gas fired boiler, constructed in 2001, approved for modification in 2013, with a maximum capacity of 1.46MMBtu/hr, uncontrolled, and exhausting inside the building.
- (b) One (1) super braze line, identified as Braze Line #2, constructed in 1995, approved for modification in 2013, with a maximum capacity of two hundred fifty (250) aluminum cores (7,600 pounds) per hour and consisting of the following:
 - (A) One (1) natural gas-fired core conditioning oven with a maximum heat input capacity of four (4.0) MMBtu per hour, uncontrolled and exhausting at stack PE-31;
 - (B) One (1) nitrogen electric braze oven and cool down station, uncontrolled and exhausting at stacks PE-35 and PE-36, respectively

The following is a list of the emission units being removed from the source:

- (a) One (1) robotic welder
- (b) Six (6) fin mills
- (c) Two (2) Mitsubishi fin mills
- (d) One (1) turbulator mill,

The following is a list of the unpermitted emission units:

- (a) Four (4) natural gas fired air handlers, identified as #1 through #4, each constructed in 1989, each with a heat input capacity of 2.475 MMBtu/hr, each using no controls, and each exhausting indoors
- (b) Two (2) natural gas fired air handlers, identified as #5 and #6, each constructed in 1989, each with a heat input capacity of 3.013 MMBtu/hr, each using no controls, and each exhausting indoors.
- (c) Two (2) natural gas fired air handlers, identified as #7 and #8, each constructed in 1995, each with a maximum heat input capacity of 2.475 MMBtu/hr, each using no controls, and each exhausting indoors.
- (d) Two (2) natural gas fired air handlers, identified as #9 and #10, each constructed in 1998, each with a maximum heat input capacity of 3.575 MMBtu/hr, each using no controls, and each exhausting indoors.
- (e) Two (2) natural gas fired air handlers, identified as #11 and #12, each constructed in 2000, each with a maximum heat input capacity of 3.575 MMBtu/hr, each using no controls, and each exhausting indoors.
- (f) One (1) natural gas fired air handler, identified as #13(Prototype), constructed in 2000, with a heat input capacity of 1.65 MMBtu/hr, using no controls, and exhausting indoors.
- (g) One (1) abrasive blast booth, identified as blast booth, constructed in September 2008, with a maximum blasting rate of 1,000 lbs/hr, using a filter as control, and exhausting indoors.

Enforcement Issues

IDEM is aware that equipment has been constructed and operated prior to receipt of the proper permit. IDEM is reviewing this matter and will take the appropriate action. This proposed approval is intended to satisfy the requirements of the construction permit rules.

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. 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	NO _x	VOC	CO	GHGs as CO ₂ e	Total HAPs	Worst Single HAP
Air Handlers (Combustion)	0.30	1.20	1.20	0.09	15.81	0.87	13.28	19092	0.3	0.28 (Hexane)
Abrasive Blasting Booth	17.52	15.07	15.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total PTE of Proposed Revision	17.82	16.27	16.27	0.09	15.81	0.87	13.28	19092	0.30	0.28 (Hexane)

Pursuant to 326 IAC 2-8-11.1(d)(3), this FESOP is being revised through a FESOP Minor Permit Revision because the proposed revision involves the construction of new emission units where the PTE of any pollutant increases as indicated below with potential to emit (PTE) within the following ranges:

- (A) Less than twenty-five (25) tons per year and equal to or greater than five (5) tons per year of either PM, PM₁₀, or direct PM_{2.5}.
- (B) Less than twenty-five (25) tons per year and equal to or greater than ten (10) tons per year of sulfur dioxide (SO₂).
- (C) Less than twenty-five (25) tons per year and equal to or greater than ten (10) tons per year of nitrogen oxides (NO_x).
- (D) Less than twenty-five (25) tons per year and equal to or greater than ten (10) tons per year of VOC for modifications that are not described in clause (E).
- (E) Less than twenty-five (25) tons per year and equal to or greater than five (5) tons per year of VOC for modifications that require the use of air pollution control equipment to comply with the applicable provisions of 326 IAC 8.
- (F) Less than one hundred (100) tons per year and equal to or greater than twenty-five (25) tons per year of carbon monoxide (CO).
- (G) Less than five (5) tons per year and equal to or greater than two-tenths (0.2) ton per year of lead (Pb).
- (H) Less than twenty-five (25) tons per year and equal to or greater than five (5) tons per year of the following regulated air pollutants:
 - (i) Hydrogen sulfide (H₂S).
 - (ii) Total reduced sulfur (TRS).
 - (iii) Reduced sulfur compounds.
 - (iv) Fluorides.

PTE of the Entire Source After Issuance of the FESOP Revision

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

Process/ Emission Unit	Potential To Emit of the Entire Source to accommodate the Proposed Revision (tons/year)									
	PM	PM10	PM2.5	SO ₂	NO _x	VOC	CO	GHGs as CO ₂ e**	Total HAPs	Worst Single HAP
Core Assembly (Process) (Fin Mills/ Tube Mills/Turbulators)	0.00	0.00	0.00	0.00	0.00	<87.0	0.00	0.00	4.0E-2 3.1E-2	4.0E-2 3.1E-2 (Toluene)
Core Conditioning Ovens (Combustion)	0.14	0.58	0.58	0.05	7.60		6.38	9176	0.143	0.137 (Hexane)
Spray Fluxers (Process)	1.30 1.94	1.30 1.94	1.30 1.94	0.00	0.00		0.00	0.00	0.00	0.00
Flux Dry off Ovens (combustion)	0.05	0.21	0.21	0.02	2.79		2.34	3370	0.053	0.050 (Hexane)
Braze Ovens with Cooling Stations (Process)	21.49 24.80	21.49 24.80	21.49 24.80	0.00	0.00		0.00	0.00	0.00	0.00
Convection Pre Heat Chamber (Braze Line #8)(Combustion)	0.02	0.07	0.07	0.01	0.86	0.05	0.72	1037	0.016	0.015 (Hexane)
Electrostatic Powder Paint Booths (Process)***	3.36 0.77	3.36 0.77	3.36 0.77	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Paint Dry Off Ovens (Combustion)	0.02	0.10	0.10	0.01	1.29	0.07	1.08	1555	0.024	0.023 (Hexane)
Paint Hook Burn Off Oven (Process)	6.57	6.57	6.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paint Hook Burn Off Oven (Combustion)	3.9E-3	0.02	0.02	1.2E-3	0.20	0.01	0.17	246	0.004	3.7E-3 (Hexane)
Robotic Welders (MIG) (Process)	0.67 0.44	0.67 0.44	0.67 0.44	0.00	0.00	0.00	0.00	0.00	0.059 0.039	0.034 0.023 (Nickel)
Natural Gas Fired Boiler (Combustion)	0.01	0.06 0.05	0.06 0.05	4.4E-3 3.8E-3	0.73 0.63	0.04 0.03	0.61 0.53	757	0.014 0.012	0.013 0.011 (Hexane)
Air Handlers (Combustion)	0.30	1.20	1.20	0.09	15.81	0.87	13.28	19092	0.3	0.28 (Hexane)
Abrasive Blasting Booth	17.52	15.07	15.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total PTE of Entire Source	33.64 52.60	34.41 51.81	34.41 51.81	0.08 0.18	13.47 29.18	87.17 88.03	11.31 24.51	16141 35233	0.353 0.623	0.24 0.53 (Hexane)
Title V Major Source Thresholds**	NA	100	100	100	100	100	100	100,000	25	10
PSD Major Source Thresholds**	250	250	250	250	250	250	250	100,000	NA	NA

negl. = negligible
 **The 100,000 CO₂e threshold represents the Title V and PSD subject to regulation thresholds for GHGs in order to determine whether a source's emissions are a regulated NSR pollutant under Title V and PSD.
 ***PTE of of two (2) Powder Paint Booths is after integral cartridge filter system.

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

Process/ Emission Unit	Potential To Emit of the Entire Source After Issuance of Revision (tons/year)									
	PM	PM10	PM2.5	SO ₂	NO _x	VOC	CO	GHGs as CO ₂ e**	Total HAPs	Worst Single HAP
Core Assembly (Process) (Fin Mills/ Tube Mills/Turbulators)	0.00	0.00	0.00	0.00	0.00	<87.0	0.00	0.00	3.3E-2	3.3E-2 (Toluene)
Core Conditioning Ovens (Combustion)	0.14	0.58	0.58	0.05	7.60		6.38	9176	0.143	0.137 (Hexane)
Spray Fluxers (Process)	1.94	1.94	1.94	0.00	0.00		0.00	0.00	0.00	0.00
Flux Dry off Ovens (combustion)	0.05	0.21	0.21	0.02	2.79		2.34	3370	0.053	0.050 (Hexane)
Braze Ovens with Cooling Stations (Process)	24.80	24.80	24.80	0.00	0.00		0.00	0.00	0.00	0.00
Convection Pre Heat Chamber (Braze Line #8)(Combustion)	0.02	0.07	0.07	0.01	0.86	0.05	0.72	1037	0.016	0.015 (Hexane)
Electrostatic Powder Paint Booths (Process)***	0.77	0.77	0.77	0.00	0.00	0.00	0.00	0.00	0.0	0.0
Paint Dry Off Ovens (Combustion)	0.02	0.10	0.10	0.01	1.29	0.07	1.08	1555	0.024	0.023 (Hexane)
Paint Hook Burn Off Oven (Process)	6.57	6.57	6.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paint Hook Burn Off Oven (Combustion)	3.9E-3	0.02	0.02	1.2E-3	0.20	0.01	0.17	246	0.004	3.7E-3 (Hexane)
Robotic Welders (MIG) (Process)	0.44	0.44	0.44	0.00	0.00	0.00	0.00	0.00	0.039	0.023 (Nickel)
Natural Gas Fired Boiler (Combustion)	0.01	0.05	0.05	3.8E-3	0.63	0.03	0.53	757	0.012	0.011 (Hexane)
Air Handlers (Combustion)	0.30	1.20	1.20	0.09	15.81	0.87	13.28	19092	0.3	0.28 (Hexane)
Abrasive Blasting Booth	17.52	15.07	15.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total PTE of Entire Source	52.60	51.81	51.81	0.18	29.18	88.03	24.51	35233	0.623	0.53 (Hexane)
Title V Major Source Thresholds**	NA	100	100	100	100	100	100	100,000	25	10
PSD Major Source Thresholds**	250	250	250	250	250	250	250	100,000	NA	NA
negl. = negligible **The 100,000 CO ₂ e threshold represents the Title V and PSD subject to regulation thresholds for GHGs in order to determine whether a source's emissions are a regulated NSR pollutant under Title V and PSD. ***PTE of of two (2) Powder Paint Booths is after integral cartridge filter system.										

- (a) FESOP Status
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).

- (b) PSD Minor Source
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.

Federal Rule Applicability Determination

New Source Performance Standards (NSPS)

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

National Emission Standards for Hazardous Air Pollutants (NESHAP)

- (b) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters, 40 CFR 63.7480, Subpart DDDDD (326 IAC 20-95), are not included for this proposed revision, since the thirteen (13) air handlers are not industrial, commercial, or institutional boilers or process heaters and are not located at a major source of HAPs.
- (c) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Industrial, Commercial, and Institutional Boilers Area Sources, 40 CFR 63.11193, Subpart JJJJJJ (6J), are not included for this proposed revision, since the thirteen (13) air handlers are not industrial, commercial, or institutional boilers.
- (d) 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)

- (e) 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

The following state rules are applicable to the proposed revision:

- (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 2-3 (Emission Offset)
Decatur County is attainment for all criteria pollutants. Therefore, pursuant to 326 IAC 2-3, the Emission Offset requirements do not apply. See PTE of the Entire Source After Issuance of the FESOP Revision Section above.
- (d) 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 and modified 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.
- (e) 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.
- (f) 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.
- (g) 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.
- (h) 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations)
Due to this revision, the source is not subject to the requirements of 326 IAC 6-5, because the fugitive dust sources do not have potential fugitive particulate emissions greater than 25 tons per year.
- (i) 326 IAC 12 (New Source Performance Standards)
See Federal Rule Applicability Section of this TSD.
- (j) 326 IAC 20 (Hazardous Air Pollutants)
See Federal Rule Applicability Section of this TSD.

Air Handlers (#1 through #13)

- (k) 326 IAC 6-2-4 (Particulate Emission Limitations for Sources of Indirect Heating)
Pursuant to 326 IAC 6-2-1(a), the thirteen (13) natural gas fired air handlers (#1 through #13) are not subject to the requirements of 326 IAC 6-2, since they are not sources of indirect heating.
- (l) 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)
The thirteen (13) natural gas fired air handlers (#1 through #13) are each not subject to 326 IAC 6-3, because pursuant to 326 IAC 1-2-59, liquid and gaseous fuels and combustion air are not considered as part of the process weight. In addition, pursuant to 326 IAC 6-3-2(b)(14), each of

the ovens are also exempt from the requirements of 326 IAC 6-3, because they have a potential to emit of particulate less than 0.551 pounds per hour.

- (m) 326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations)
Pursuant to 326 IAC 7-1.1-1, each of the thirteen (13) natural gas fired air handlers (#1 through #13) are not subject to the requirements of 326 IAC 7-1.1, since each has unlimited sulfur dioxide (SO₂) emissions less than twenty-five (25) tons per year and ten (10) pounds per hour, respectively.
- (n) 326 IAC 8-1-6 (VOC Rules: General Reduction Requirements for New Facilities)
The thirteen (13) natural gas fired air handlers (#1 through #13) are each not subject to the requirements of 326 IAC 8-1-6, since the potential to emit VOC from each unit is less than twenty-five (25) tons per year.

Abrasive Blast Booth (blast booth)

- (o) 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)
Pursuant to 326 IAC 6-3-2(b)(14), the abrasive blast booth is subject to the requirements of 326 IAC 6-3, because it has the potential to emit particulate matter greater than 0.551 pounds per hour. Pursuant to 326 IAC 6-3-2, the particulate matter (PM) from the abrasive blast booth shall not exceed 2.58 pounds per hour when operating at a process weight rate of 0.50 tons per hour. The pound per hour limitation was calculated with the following equation:

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:

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

The filter shall be in operation at all times the abrasive blast booth is in operation, in order to comply with this limit.

- (p) 326 IAC 8-1-6 (VOC Rules: General Reduction Requirements for New Facilities)
The proposed revision is not subject to the requirements of 326 IAC 8-1-6, since the unlimited VOC potential emissions from abrasive blast booth is less than twenty-five (25) tons per year.
- (q) There are no other 326 IAC 8 Rules that are applicable to the unit.

Compliance Determination, Monitoring and Testing Requirements

The existing compliance requirements will not change as a result of this revision. The source shall continue to comply with the applicable requirements and permit conditions as contained in FESOP No. 031-29500-00014, issued on March 10, 2011.

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:

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) NOCOLOK radiator, condenser, and charge air cooler manufacturing process, consisting of the following:

...

- (2) One (1) braze line, identified as Braze Line #1, constructed in 1991, with a maximum capacity of two hundred (200) aluminum cores (2,000 pounds) per hour and consisting of the following:
 - ...
 - (B) One (1) spray fluxer with a maximum capacity of eleven (11.0) pounds of flux per hour, uncontrolled and exhausting ~~inside~~ **outside** the building;
 - ...
- (3) One (1) **super** braze line, identified as Braze Line #2, constructed in 1995, **approved for modification in 2013**, with a maximum capacity of two hundred fifty (250) aluminum cores (~~3,800~~ **7,600** pounds) per hour and consisting of the following:
 - (A) One (1) natural gas-fired core conditioning oven with a maximum heat input capacity of four (4.0) MMBtu per hour, uncontrolled and exhausting at stack PE-31;
 - (B) One (1) nitrogen electric braze oven and cool down station, uncontrolled and exhausting at stacks PE-35 and PE-36, respectively.
- (4) One (1) braze line, identified as Braze Line #3, constructed in 1996, with a maximum capacity of two hundred fifty (250) aluminum cores (3,800 pounds) per hour and consisting of the following:
 - ...
 - (B) One (1) spray fluxer with a maximum capacity of eleven (11.0) pounds of flux per hour, uncontrolled and exhausting ~~inside~~ **outside** the building;
 - ...
- (5) One (1) braze line, identified as Braze Line #5, constructed in 1997, with a maximum capacity of one hundred thirty (130) aluminum cores (2,250 pounds) per hour and consisting of the following:
 - ...
 - (B) One (1) spray fluxer with a maximum capacity of eleven (11.0) pounds of flux per hour, uncontrolled and exhausting ~~inside~~ **outside** the building;
 - ...
- (6) One (1) braze line, identified as Braze Line #6, constructed in 1997, with a maximum capacity of five hundred (500) aluminum cores (7,500 pounds) per hour and consisting of the following:
 - ...
 - (B) One (1) spray fluxer with a maximum capacity of eleven (11.0) pounds of flux per hour, uncontrolled and exhausting ~~inside~~ **outside** the building;
 - ...
- (7) One (1) braze line, identified as Braze Line #8, constructed in 2009, with a maximum capacity of two hundred (200) radiators (5,718 pounds) per hour and consisting of the following:
 - ...
 - (B) One (1) spray fluxer with a maximum capacity of eighty-eight (88.0) pounds (40,000 grams) of flux per hour, uncontrolled and exhausting ~~inside~~ **outside** the building;

- ...
- (9) ~~Three~~ **Two (32)** robotic arc welders, **each** with a ~~combined~~ maximum electrode consumption of two and one tenth (2.1) pounds per hour, uncontrolled and exhausting inside the building.

 - (b) **One (1) abrasive blast booth, identified as blast booth, constructed in September 2008, with a maximum blasting rate of 1,000 lbs/hr, using a filter as control, and exhausting indoors.**

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

This stationary source also includes the following insignificant activities:

- (a) One (1) natural gas-fired boiler, installed in 2001, with a maximum heat input capacity of one and ~~seven~~ **forty-six** tenths (1.**746**) MMBtu per hour, uncontrolled and exhausting inside the building. [326 IAC 6-2-4]

...

- (t) **Four (4) natural gas fired air handlers, identified as #1 through #4, each constructed in 1989, each with a heat input capacity of 2.475 MMBtu/hr, each using no controls, and each exhausting indoors**
- (u) **Two (2) natural gas fired air handlers, identified as #5 and #6, each constructed in 1989, each with a heat input capacity of 3.013 MMBtu/hr, each using no controls, and each exhausting indoors.**
- (v) **Two (2) natural gas fired air handlers, identified as #7 and #8, each constructed in 1995, each with a maximum heat input capacity of 2.475 MMBtu/hr, each using no controls, and each exhausting indoors.**
- (w) **Two (2) natural gas fired air handlers, identified as #9 and #10, each constructed in 1998, each with a maximum heat input capacity of 3.575 MMBtu/hr, each using no controls, and each exhausting indoors.**
- (x) **Two (2) natural gas fired air handlers, identified as #11 and #12, each constructed in 2000, each with a maximum heat input capacity of 3.575 MMBtu/hr, each using no controls, and each exhausting indoors.**
- (y) **One (1) natural gas fired air handler, identified as #13(Prototype), constructed in 2000, with a heat input capacity of 1.65 MMBtu/hr, using no controls, and exhausting indoors.**

...
SECTION D.1 EMISSION UNIT OPERATION CONDITIONS

Emission Unit Description [326 IAC 2-8-4(10)]:	
(a)	One (1) NOCOLOK radiator, condenser, and charge air cooler manufacturing process, consisting of the following: ...
(2)	One (1) braze line, identified as Braze Line #1, constructed in 1991, with a maximum capacity of two hundred (200) aluminum cores (2,000 pounds) per hour and consisting of the following: ...
(B)	One (1) spray fluxer with a maximum capacity of eleven (11.0) pounds of

- flux per hour, uncontrolled and exhausting **inside outside** the building;
...
- (3) One (1) **super** braze line, identified as Braze Line #2, constructed in 1995, **approved for modification in 2013**, with a maximum capacity of two hundred fifty (250) aluminum cores (~~3,800~~ **7,600** pounds) per hour and consisting of the following:
- (A) One (1) natural gas-fired core conditioning oven with a maximum heat input capacity of four (4.0) MMBtu per hour, uncontrolled and exhausting at stack PE-31;
- (B) One (1) nitrogen electric braze oven and cool down station, uncontrolled and exhausting at stacks PE-35 and PE-36, respectively.
- (4) One (1) braze line, identified as Braze Line #3, constructed in 1996, with a maximum capacity of two hundred fifty (250) aluminum cores (3,800 pounds) per hour and consisting of the following:
...
- (B) One (1) spray fluxer with a maximum capacity of eleven (11.0) pounds of flux per hour, uncontrolled and exhausting **inside outside** the building;
...
- (5) One (1) braze line, identified as Braze Line #5, constructed in 1997, with a maximum capacity of one hundred thirty (130) aluminum cores (2,250 pounds) per hour and consisting of the following:
...
- (B) One (1) spray fluxer with a maximum capacity of eleven (11.0) pounds of flux per hour, uncontrolled and exhausting **inside outside** the building;
...
- (6) One (1) braze line, identified as Braze Line #6, constructed in 1997, with a maximum capacity of five hundred (500) aluminum cores (7,500 pounds) per hour and consisting of the following:
...
- (B) One (1) spray fluxer with a maximum capacity of eleven (11.0) pounds of flux per hour, uncontrolled and exhausting **inside outside** the building;
...
- (7) One (1) braze line, identified as Braze Line #8, constructed in 2009, with a maximum capacity of two hundred (200) radiators (5,718 pounds) per hour and consisting of the following:
...
- (B) One (1) spray fluxer with a maximum capacity of eighty-eight (88.0) pounds (40,000 grams) of flux per hour, uncontrolled and exhausting **inside outside** the building;
...
- (9) ~~Three~~ **Two (32)** robotic arc welders, **each** with a ~~combined~~ maximum electrode consumption of two and one tenth (2.1) pounds per hour, uncontrolled and exhausting inside the building.

...

...

D.1.2 Particulate [326 IAC 6-3]

- (a) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from each of the brazing operations, performed in the electric braze ovens, and accompanying cool down stations shall not exceed the pounds per hour limitations listed in the table below:

Emission ID	Process Weight Rate		326 IAC 6-3 Allowable Emission Rate (lbs/hour)
	(lbs/hour)	(tons/hour)	
Line #1 Braze Oven & Cool Down Station	2,000	1.00	4.10
Line #2 Braze Oven & Cool Down Station	3,800 7,600	4.90 3.8	6.30 10.03
Line #3 Braze Oven & Cool Down Station	3,800	1.90	6.30
Line #5 Braze Oven & Cool Down Station	2,250	1.12	4.43
Line #6 Braze Oven & Cool Down Station	7,500	3.75	9.93
Line #8 Braze Oven & Cool Down Station	5,718	2.86	8.29

...

SECTION D.2 EMISSION UNIT OPERATION CONDITIONS

Emission Unit Description [326 IAC 2-8-4(10)]: Boiler

(a) One (1) natural gas-fired boiler, installed in 2001, with a maximum heat input capacity of one and ~~seven~~ **forty-six** tenths (1.~~746~~ **746**) million British thermal units (MMBtu) per hour. [326 IAC 6-2-4]

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

...

SECTION D.3 EMISSION UNIT OPERATION CONDITIONS

Emission Unit Description [326 IAC 2-8-4(10)]:

(b) **One (1) abrasive blasting booth, identified as blast booth, constructed in September 2008, with a maximum blasting rate of 1000 pounds per hour, using a filter as control, and exhausting indoors.**

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

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

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

Pursuant to 326 IAC 6-3-2, the particulate matter (PM) from the abrasive blast booth shall not exceed 2.58 pounds per hour when operating at a process weight rate of 0.50 tons per hour. The pound per hour limitation was calculated with the following equation:

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:

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

D.3.2 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

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

Compliance Determination Requirements

D.3.3 Particulate Control

In order to comply with Condition D.3.1, the filter shall be in operation and control emissions from the abrasive blast booth at all times the abrasive blast booth is in operation.

Conclusion and Recommendation

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant. An application for the purposes of this review was received on April 4, 2013.

The construction and operation of this proposed revision shall be subject to the conditions of the attached proposed FESOP Minor Permit Revision No. 031-33052-00014. The staff recommends to the Commissioner that this FESOP Minor Permit Revision be approved.

IDEM Contact

- (a) Questions regarding this proposed permit can be directed to Deena Patton at the Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251 or by telephone at (317) 234-5400 or toll free at 1-800-451-6027 extension 4-5400.
- (b) A copy of the findings is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>
- (c) For additional information about air permits and how the public and interested parties can participate, refer to the IDEM's Guide for Citizen Participation and Permit Guide on the Internet at: www.in.gov/idem

Company Name: Valeo Engine Cooling, Inc.
Source Address: 1100 East Barachel Lane, Greensburg, IN 47240
Permit No: 031-2950-00014
Minor Permit Revision No.: 031-33052-00014
Reviewer: Deena Patton
Date: April 05, 2013

Uncontrolled/Unlimited Potential Emissions (tons/year) Before Revision														
Category	Pollutant	Emissions Generating Activity												TOTAL
		Core Assembly (Process) (Fit Mills/Tubulators)	Core Conditioning Ovens (Combustion)	Spray Fluxers (Process)	Flux Dry-Off Ovens (Combustion)	Braze Ovens with Cooling Stations (Process)	Convection Pre Heat Chamber (Braze Line #8) (Combustion)	Electrostatic Powder Paint Booths * (Process)	Paint Dry-Off Ovens (Combustion)	Paint Hook Burn-Off Oven (Process)	Paint Hook Burn-Off Oven (Combustion)	Robotic Welders (MG)	Natural Gas-Fired Boiler (Combustion)	
Criteria Pollutants	PM	0	0.14	1.30	0.05	21.49	0.02	3.36	0.02	6.57	3.9E-03	0.67	0.01	33.64
	PM10	0	0.58	1.30	0.21	21.49	0.07	3.36	0.10	6.57	0.02	0.67	0.06	34.41
	PM2.5	0	0.58	1.30	0.21	21.49	0.07	3.36	0.10	6.57	0.02	0.67	0.06	34.41
	SO2	0	0.05	0	0.02	0	0.01	0	0.01	0	1.2E-03	0	4.4E-03	0.08
	NOx	0	7.60	0	2.79	0	0.86	0	1.29	0	0.20	0	0.73	13.47
	VOC	99.44	0.42	0	0.15	0	0.05	0	0.07	0	0.01	0	0.04	100.18
	CO	0	6.38	0	2.34	0	0.72	0	1.08	0	0.17	0	0.81	11.31
	CO2e	0	9176	0	3370	0	1037	0	1555	0	246	0	891	16266
Hazardous Air Pollutants	Benzene	0	1.6E-04	0	5.9E-05	0	1.8E-05	0	2.7E-05	0	4.3E-06	0	1.5E-05	2.8E-04
	Dichlorobenzene	0	9.1E-05	0	3.3E-05	0	1.0E-05	0	1.5E-05	0	2.4E-06	0	8.8E-06	1.6E-04
	Formaldehyde	0	5.7E-03	0	2.1E-03	0	6.4E-04	0	9.7E-04	0	1.5E-04	0	5.5E-04	0.010
	Hexane	0	0.137	0	0.050	0	0.015	0	0.023	0	3.7E-03	0	0.013	0.242
	Toluene	4.0E-02	2.6E-04	0	9.5E-05	0	2.9E-05	0	4.4E-05	0	6.9E-06	0	2.5E-05	0.040
	Cadmium	0	8.4E-05	0	3.1E-05	0	9.4E-06	0	1.4E-05	0	2.2E-06	0	8.0E-06	1.5E-04
	Chromium	0	1.1E-04	0	3.9E-05	0	1.2E-05	0	1.8E-05	0	2.9E-06	0.015	1.0E-05	0.015
	Lead	0	3.8E-05	0	1.4E-05	0	4.3E-06	0	6.4E-06	0	1.0E-06	0	3.7E-06	6.7E-05
	Manganese	0	2.9E-05	0	1.1E-05	0	3.3E-06	0	4.9E-06	0	7.8E-07	9.6E-03	2.8E-06	0.010
	Nickel	0	1.6E-04	0	5.9E-05	0	1.8E-05	0	2.7E-05	0	4.3E-06	0.034	1.5E-05	0.034
	Totals	4.0E-02	0.143	0	0.053	0	0.016	0	0.024	0	0.004	0.059	0.014	0.353

Total emissions based on rated capacity at 8,760 hours/year.

■ The cartridge filter system serving the two (2) Powder Paint Booths is considered "integral" to the powder coating operations. Therefore, the permitting level is determined after consideration of the controls.

Limited/Controlled Potential Emissions (tons/year) Before Revision														
Category	Pollutant	Emissions Generating Activity												TOTAL
		Core Assembly (Process) (Fit Mills/Tubulators)	Core Conditioning Ovens	Spray Fluxers (Process)	Flux Dry-Off Ovens	Braze Ovens with Cooling Stations (Process)	Convection Pre Heat Chamber (Braze Line #8) (Combustion)	Electrostatic Powder Paint Booths * (Process)	Paint Dry-Off Ovens	Paint Hook Burn-Off Oven (Process)	Paint Hook Burn-Off Oven (Combustion)	Robotic Welders (MG)	Natural Gas-Fired Boiler	
Criteria Pollutants	PM	0	0.14	1.30	0.05	21.49	0.02	3.36	0.02	6.57	3.9E-03	0.67	0.01	33.64
	PM10	0	0.58	1.30	0.21	21.49	0.07	3.36	0.10	6.57	0.02	0.67	0.06	34.41
	PM2.5	0	0.58	1.30	0.21	21.49	0.07	3.36	0.10	6.57	0.02	0.67	0.06	34.41
	SO2	0	0.05	0	0.02	0	0.01	0	0.01	0	1.2E-03	0	4.4E-03	0.08
	NOx	0	7.60	0	2.79	0	0.86	0	1.29	0	0.20	0	0.73	13.47
	VOC	99.44	0.42	0	0.15	0	0.05	0	0.07	0	0.01	0	0.04	100.18
	CO	0	6.38	0	2.34	0	0.72	0	1.08	0	0.17	0	0.81	11.31
	CO2e	0	9176	0	3370	0	1037	0	1555	0	246	0	757	16141
Hazardous Air Pollutants	Benzene	0	1.6E-04	0	5.9E-05	0	1.8E-05	0	2.7E-05	0	4.3E-06	0	1.5E-05	2.8E-04
	Dichlorobenzene	0	9.1E-05	0	3.3E-05	0	1.0E-05	0	1.5E-05	0	2.4E-06	0	8.8E-06	1.6E-04
	Formaldehyde	0	5.7E-03	0	2.1E-03	0	6.4E-04	0	9.7E-04	0	1.5E-04	0	5.5E-04	0.010
	Hexane	0	0.137	0	0.050	0	0.015	0	0.023	0	3.7E-03	0	0.013	0.242
	Toluene	4.0E-02	2.6E-04	0	9.5E-05	0	2.9E-05	0	4.4E-05	0	6.9E-06	0	2.5E-05	0.040
	Cadmium	0	8.4E-05	0	3.1E-05	0	9.4E-06	0	1.4E-05	0	2.2E-06	0	8.0E-06	1.5E-04
	Chromium	0	1.1E-04	0	3.9E-05	0	1.2E-05	0	1.8E-05	0	2.9E-06	0.015	1.0E-05	0.015
	Lead	0	3.8E-05	0	1.4E-05	0	4.3E-06	0	6.4E-06	0	1.0E-06	0	3.7E-06	6.7E-05
	Manganese	0	2.9E-05	0	1.1E-05	0	3.3E-06	0	4.9E-06	0	7.8E-07	9.6E-03	2.8E-06	0.010
	Nickel	0	1.6E-04	0	5.9E-05	0	1.8E-05	0	2.7E-05	0	4.3E-06	0.034	1.5E-05	0.034
	Totals	4.0E-02	0.143	0	0.053	0	0.016	0	0.024	0	0.004	0.059	0.014	0.353

Total emissions based on rated capacity at 8,760 hours/year.

(1) Limited PTE based upon annual VOC input limit to comply with 326 8-1-6 BACT.

■ The cartridge filter system serving the two (2) Powder Paint Booths is considered "integral" to the powder coating operations. Therefore, the permitting level is determined after consideration of the controls.

Uncontrolled/Unlimited Potential Emissions (tons/year) After Revision F031-33052-00014																
Category	Pollutant	Emissions Generating Activity														TOTAL
		Core Assembly (Process) (Fit Mills/Tubulators)	Core Conditioning Ovens (Combustion)	Spray Fluxers (Process)	Flux Dry-Off Ovens (Combustion)	Braze Ovens with Cooling Stations (Process)	Convection Pre Heat Chamber (Braze Line #8) (Combustion)	Electrostatic Powder Paint Booths * (Process)	Paint Dry-Off Ovens (Combustion)	Paint Hook Burn-Off Oven (Process)	Paint Hook Burn-Off Oven (Combustion)	Robotic Welders (MG)	Natural Gas-Fired Boiler (Combustion)	Air Handlers (Combustion)	Abrasive Blasting Booth	
Criteria Pollutants	PM	0	0.14	1.94	0.05	24.80	0.02	0.77	0.02	6.57	3.9E-03	0.44	0.01	0.30	17.52	52.60
	PM10	0	0.58	1.94	0.21	24.80	0.07	0.77	0.10	6.57	0.02	0.44	0.05	1.20	15.07	51.81
	PM2.5	0	0.58	1.94	0.21	24.80	0.07	0.77	0.10	6.57	0.02	0.44	0.05	1.20	15.07	51.81
	SO2	0	0.05	0	0.02	0	0.01	0	0.01	0	1.2E-03	0	3.8E-03	9.5E-02	0	0.18
	NOx	0	7.60	0	2.79	0	0.86	0	1.29	0	0.20	0	0.83	15.81	0	29.18
	VOC	82.31	0.42	0	0.15	0	0.05	0	0.07	0	0.01	0	0.03	0.87	0	83.91
	CO	0	6.38	0	2.34	0	0.72	0	1.08	0	0.17	0	0.83	13.28	0	24.51
	CO2e	0	9176	0	3370	0	1037	0	1555	0	246	0	757	19092	0	35233
Hazardous Air Pollutants	Benzene	0	1.6E-04	0	5.9E-05	0	1.8E-05	0	2.7E-05	0	4.3E-06	0	1.5E-05	3.3E-04	0	6.1E-04
	Dichlorobenzene	0	9.1E-05	0	3.3E-05	0	1.0E-05	0	1.5E-05	0	2.4E-06	0	7.5E-06	1.9E-04	0	3.2E-04
	Formaldehyde	0	5.7E-03	0	2.1E-03	0	6.4E-04	0	9.7E-04	0	1.5E-04	0	4.7E-04	1.2E-02	0	2.2E-02
	Hexane	0	0.137	0	0.050	0	0.015	0	0.023	0	0.011	0.011	0.285	0	5.3E-01	
	Toluene	3.3E-02	2.6E-04	0	9.5E-05	0	2.9E-05	0	4.4E-05	0	6.9E-06	0	2.1E-05	5.4E-04	0	3.4E-02
	Cadmium	0	8.4E-05	0	3.1E-05	0	9.4E-06	0	1.4E-05	0	2.2E-06	0	8.9E-06	1.7E-04	0	3.2E-04
	Chromium	0	1.1E-04	0	3.9E-05	0	1.2E-05	0	1.8E-05	0	2.9E-06	0.010	8.8E-06	2.2E-04	0	1.0E-02
	Lead	0	3.8E-05	0	1.4E-05	0	4.3E-06	0	6.4E-06	0	1.0E-06	0	3.1E-06	7.9E-05	0	1.5E-04
	Manganese	0	2.9E-05	0	1.1E-05	0	3.3E-06	0	4.9E-06	0	7.8E-07	6.4E-03	2.4E-06	6.0E-05	0	6.5E-03
	Nickel	0	1.6E-04	0	5.9E-05	0	1.8E-05	0	2.7E-05	0	4.3E-06	0.023	1.3E-05	3.3E-04	0	2.4E-02
	Totals	3.3E-02	0.143	0	0.053	0	0.016	0	0.024	0	0.004	0.039	0.012	0.298	0	0.53

Total emissions based on rated capacity at 8,760 hours/year.

■ The cartridge filter system serving the two (2) Powder Paint Booths is considered "integral" to the powder coating operations. Therefore, the permitting level is determined after consideration of the controls.

Limited/Controlled Potential Emissions (tons/year) After Revision 031-33052-00014																
Category	Pollutant	Emissions Generating Activity														TOTAL
		Core Assembly (Process) (Fit Mills/Tubulators)	Core Conditioning Ovens	Spray Fluxers (Process)	Flux Dry-Off Ovens	Braze Ovens with Cooling Stations (Process)	Convection Pre Heat Chamber (Braze Line #8) (Combustion)	Electrostatic Powder Paint Booths * (Process)	Paint Dry-Off Ovens	Paint Hook Burn-Off Oven (Process)	Paint Hook Burn-Off Oven (Combustion)	Robotic Welders (MG)	Natural Gas-Fired Boiler	Air Handlers (Combustion)	Abrasive Blasting Booth	
Criteria Pollutants	PM	0	0.14	1.94	0.05	24.80	0.02	0.77	0.02	6.57	3.9E-03	0.44	0.01	0.30	17.52	52.60
	PM10	0	0.58	1.94	0.21	24.80	0.07	0.77	0.10	6.57	0.02	0.44	0.05	1.20	15.07	51.81
	PM2.5	0	0.58	1.94	0.21	24.80	0.07	0.77	0.10	6.57	0.02	0.44	0.05	1.20	15.07	51.81
	SO2	0	0.05	0	0.02	0	0.01	0	0.01	0	1.2E-03	0	3.8E-03	9.5E-02	0	0.18
	NOx	0	7.60	0	2.79	0	0.86	0	1.29	0	0.20	0	0.83	15.81	0	29.18
	VOC	82.31	0.42	0	0.15	0	0.05	0	0.07	0	0.01	0	0.03	0.87	0	83.91
	CO	0	6.38	0	2.34	0	0.72	0	1.08	0	0.17	0	0.83	13.28	0	24.51
	CO2e	0	9176	0	3370	0	1037	0	1555	0	246	0	757	19092	0	35233
Hazardous Air Pollutants	Benzene	0	1.6E-04	0	5.9E-05	0	1.8E-05	0	2.7E-05	0	4.3E-06	0	1.5E-05	3.3E-04	0	6.1E-04
	Dichlorobenzene	0	9.1E-05	0	3.3E-05	0	1.0E-05	0	1.5E-05	0	2.4E-06	0	7.5E-06	1.9E-04	0	

Appendix A: Emission Calculations
Process Emissions from the Core Assembly

Company Name: Valeo Engine Cooling, Inc.
Source Address: 1100 East Barachel Lane, Greensburg, IN 47240
Permit No.: 031-29500-00014
Minor Permit Revision No.: 031-33052-00014
Reviewer: Deena Patton
Date: April 05, 2013

Volatile Organic Compound (VOC) Emissions

Emission Unit	# of mills in unit	Density (lbs/gal)	Max. Usage Rate per mill (gal/hour)	PTE of VOC per mill (lbs/hour)	PTE of VOC per unit (lbs/hour)	PTE of VOC per unit (tons/year)
Fin Mills	23	2.40	0.20	0.48	11.04	48.36
Tube Mills	4	2.40	0.50	1.20	4.80	21.02
Fin Mill	1	2.40	0.50	1.20	1.20	5.26
Turbulator Mill	1	2.40	0.20	0.48	0.48	2.10
Mitsubishi Fin Mills	0	2.40	0.20	0.48	0	0.00
Turbulator Mills	1	2.40	0.53	1.27	1.27	5.57
TOTAL						82.31

METHODOLOGY

PTE of VOC per mill (lbs/hour) = Density (lbs/gal) * Max. usage rate per mill (gal/hour)

PTE of VOC per unit (lbs/hour) = [# of mills in unit * Density (lbs/gal) * Max. usage rate per mill (gal/hour)]

PTE of VOC per unit (tons/year) = Density (lbs/gal) * Max. usage rate (gal/hour) * 8760 hours/year * 1 ton/2000 lbs

Hazardous Air Pollutant (HAP) Emissions

Emission Unit	# of mills in unit	Density (lbs/gal)	Max. Usage Rate per mill (gal/hour)	Weight % Toluene	Toluene Emissions per unit (ton/yr)
Fin Mills	23	2.40	0.20	0.04%	1.9E-02
Tube Mills	4	2.40	0.50	0.04%	8.4E-03
Fin Mill	1	2.40	0.50	0.04%	2.1E-03
Turbulator Mill	1	2.40	0.20	0.04%	8.4E-04
Mitsubishi Fin Mills	0	2.40	0.20	0.04%	0.0E+00
Turbulator Mills	1	2.40	0.53	0.04%	2.2E-03
TOTAL					3.3E-02

METHODOLOGY

HAPS emission rate per unit (tons/yr) = [# of mills in unit * Density (lb/gal) * Max. usage rate (gal/hour) * Weight % HAP * 8760 hrs/yr * 1 ton/2000 lbs]

Appendix A: Emission Calculations
Natural Gas Combustion Only (MMBtu/hour < 100)
Six (6) Core Conditioning Ovens

Company Name: Valeo Engine Cooling, Inc.
Source Address: 1100 East Barachel Lane, Greensburg, IN 47240
Permit No.: 031-29500-00014
Minor Permit Revision No.: 031-33052-00014
Reviewer: Deena Patton
Date: April 05, 2013

Heat Input Capacity (MMBtu/hour)	
Braze Line #1	3.2
Braze Line #3	4.0
Braze Line #5	2.5
Braze Line #6	4.0
Braze Line #8	4.0
Total	17.70

Potential Throughput (MMscf/year)
152.01

Emission Factor (lb/MMscf)	Pollutant						
	* PM	* PM10	PM2.5	SO2	** NOx	VOC	CO
	1.9	7.6	7.6	0.6	100	5.5	84.0
Potential To Emit (tons/year)	0.14	0.58	0.58	0.05	7.60	0.42	6.38

*PM emission factor is filterable PM only. PM10, and PM2.5, emission factors include filterable and condensable fractions combined.

**Emission factor for NOx (Uncontrolled) = 100 lb/MMSCF.

Emission factors are from AP-42, Chapter 1.4, Tables 1.4-1, and 1.4-2, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03 (July, 1998).

All Emission factors are based on normal firing.

HAPs - Organics

Emission Factor (lb/MMscf)	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene
	2.1E-03	1.2E-03	7.5E-02	1.8E+00	3.4E-03
Potential To Emit (tons/year)	1.6E-04	9.1E-05	5.7E-03	1.4E-01	2.6E-04

HAPs - Metals

Emission Factor (lb/MMscf)	Lead	Cadmium	Chromium	Manganese	Nickel
	5.0E-04	1.1E-03	1.4E-03	3.8E-04	2.1E-03
Potential To Emit (tons/year)	3.8E-05	8.4E-05	1.1E-04	2.9E-05	1.6E-04

The five highest organic and metal HAPs emission factors provided above are from AP-42, Chapter 1.4, Table 1.4-3 and 1.4-4 (July, 1998).

Additional HAPs emission factors are available in AP-42, Chapter 1.4.

METHODOLOGY

Potential throughput (MMscf/year) = Heat input capacity (MMBtu/hour) * 8760 hours/year * 1 MMscf/1020 MMBtu

PTE (tons/year) = Potential throughput (MMscf/year) * Emission factor (lb/MMscf) * 1 ton/2000 lbs

Emission Factor in lb/MMcf	Greenhouse Gas		
	CO2	CH4	N2O
	120,000	2.3	2.2
Potential Emission in tons/yr	9,121	0.17	0.17
Summed Potential Emissions in tons/yr	9,121		
CO2e Total in tons/yr	9,176		

Methodology

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

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

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

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

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

(21) + N2O Potential Emission tons/yr x N2O GWP (310).

Appendix A: Emission Calculations
Process Emissions from the Spray Fluxers

Company Name: Valeo Engine Cooling, Inc.
Soruce Address: 1100 East Barachel Lane, Greensburg, IN 47240
Permit No.: 031-29500-00014
Minor Permit Revision No.: 031-33052-00014
Reviewer: Deena Patton
Date: April 05, 2013

Emission Unit	Emission Rate of PM/PM10/PM2.5 per unit (lbs/hour)	No. of Units	PTE of PM/PM10/PM2.5 (tons/year)
Braze Lines # 1, 3, 5 & 6 Spray Fluxers*	0.037	4	0.65
Braze Line #8 Spray Fluxer**	0.296	1	1.30

METHODOLOGY

PTE of PM/PM10 (tons/year) = Emission rate (lbs/hour) * No. of Units * 8760 hours/year * 1 ton/2000 lbs

NOTES

* The Emission rate for Braze Lines # 1, 3, 5 & 6 spray fluxers comes from a stack test conducted at the source in 1995 on two fluxers.

** The emission rate for the Braze Line #8 spray fluxer (as determined on Page 4 of 5; TSD, Appendix A for revision # F031-28077-00014) = Emission rate for recently removed Braze Line #7 * Lb/hr throughput Line #8 / Lb/hr throughput of recently removed Braze Line #7.

Assume all PM10 and PM2.5 emissions are equal to PM emissions, each.

Appendix A: Emission Calculations
Natural Gas Combustion Only (MMBtu/hour < 100)
Six (6) Flux Dry Off Ovens

Company Name: Valeo Engine Cooling, Inc.
Source Address: 1100 East Barachel Lane, Greensburg, IN 47240
Permit No.: 031-29500-00014
Minor Permit Revision No.: 031-33052-00014
Reviewer: Deena Patton
Date: April 05, 2013

Heat Input Capacity (MMBtu/hour)	
Braze Line #1	1.20
Braze Line #3	1.50
Braze Line #5	1.50
Braze Line #6	1.50
Braze Line #8	0.80
Total	6.50

Potential Throughput (MMscf/year)
55.82

	* PM	* PM10	PM2.5	SO2	** NOx	VOC	CO
Emission Factor (lb/MMscf)	1.9	7.6	7.6	0.6	100	5.5	84.0
Potential To Emit (tons/year)	0.05	0.21	0.21	0.02	2.79	0.15	2.34

*PM emission factor is filterable PM only. PM10, and PM2.5, emission factors include filterable and condensable fractions combined.
 **Emission factor for NOx (Uncontrolled) = 100 lb/MMSCF.
 Emission factors are from AP-42, Chapter 1.4, Tables 1.4-1, and 1.4-2, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03 (July, 1998).
 All Emission factors are based on normal firing.

HAPs - Organics					
Emission Factor (lb/MMscf)	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene
	2.1E-03	1.2E-03	7.5E-02	1.8E+00	3.4E-03
Potential To Emit (tons/year)	5.9E-05	3.3E-05	2.1E-03	5.0E-02	9.5E-05

HAPs - Metals					
Emission Factor (lb/MMscf)	Lead	Cadmium	Chromium	Manganese	Nickel
	5.0E-04	1.1E-03	1.4E-03	3.8E-04	2.1E-03
Potential To Emit (tons/year)	1.4E-05	3.1E-05	3.9E-05	1.1E-05	5.9E-05

The five highest organic and metal HAPs emission factors provided above are from AP-42, Chapter 1.4, Table 1-4.2, 1.4-3 and 1.4-4 (July, 1998).
 Additional HAPs emission factors are available in AP-42, Chapter 1.4.

METHODOLOGY
 Potential throughput (MMscf/year) = Heat input capacity (MMBtu/hour) * 8760 hours/year * 1 MMscf/1020 MMBtu
 PTE (tons/year) = Potential throughput (MMscf/year) * Emission factor (lb/MMscf) * 1 ton/2000 lbs

	Greenhouse Gas		
	CO2	CH4	N2O
Emission Factor in lb/MMcf	120,000	2.3	2.2
Potential Emission in tons/yr	3,349	0.06	0.06
Summed Potential Emissions in tons/yr	3,350		
CO2e Total in tons/yr	3,370		

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

Appendix A: Emission Calculations

Process Emissions from the Braze Ovens and Cool Down Stations

Company Name: Valeo Engine Cooling, Inc.
Soruce Address: 1100 East Barachel Lane, Greensburg, IN 47240
Permit No: 031-29500-00014
Minor Permit Revision No.: 031-33052-00014
Reviewer: Deena Patton
Date: April 05, 2013

Emission Unit	Emission Rate of PM/PM10/PM2.5 per unit (lbs/hour)	No. of Units	Total PTE of PM/PM10/PM2.5 (tons/year)	PTE of PM/PM10/PM2.5 (lbs/hour) for each oven with cooling station
Ovens for Braze Lines # 1, 3, 5, & 6	0.194	4	3.40	0.19
Ovens for Braze Line #2	0.388	1	1.70	0.39
Cool Down Stations for Braze Lines # 1, 3, 5, & 6	0.561	4	9.8	0.56
Cool Down Stations for Braze Line #2	1.122	1	4.9	1.12
Oven for Braze Line #8	0.291	1	1.27	0.29
Cool Down Station for Braze Line #8	0.842	1	3.69	0.84
Total			24.8	

The ovens for Braze Lines # 1, 2, 3, 5, 6 & 8 are powered by electricity; therefore, no combustion emissions have been calculated. The braze furnace convection pre-heat chamber for Braze Line #8 is natural gas-fired; therefore, combustion emissions are addressed on the following page of this appendix.

* The emission rates for Braze Lines #1, 2, 3, 5, & 6 Ovens and Cool Down Stations come from a stack test conducted in 1995 at the source.

** The emission rate for the Braze Line #8 Oven and Cool Down Station (as determined on Page 5 of 5; TSD, Appendix A for

*** Assume all PM10 and PM2.5 emissions are equal to PM emissions, each.

METHODOLOGY

PTE of PM/PM10 (tons/year) = Emission rate (lbs/hour) * No. of units * 8760 hours/year * 1 ton/2000 lbs

Appendix A: Emission Calculations
Natural Gas Combustion Only (MMBtu/hour < 100)
One (1) Convection Pre-Heat Chamber for Braze Line #8

Company Name: Valeo Engine Cooling, Inc.
Source Address: 1100 East Barachel Lane, Greensburg, IN 47240
Permit No.: 031-29500-00014
Minor Permit Revision No.: 031-33052-00014
Reviewer: Deena Patton
Date: April 05, 2013

Heat Input Capacity (MMBtu/hour)
2.00

Potential Throughput (MMscf/year)
17.18

Emission Factor (lb/MMscf)	Pollutant						
	* PM	* PM10	PM2.5	SO2	** NOx	VOC	CO
	1.9	7.6	7.6	0.6	100	5.5	84.0
Potential To Emit (tons/year)	0.02	0.07	0.07	5.2E-03	0.86	0.05	0.72

*PM emission factor is filterable PM only. PM10, and PM2.5, emission factors include filterable and condensable fractions combined.
 **Emission factor for NOx (Uncontrolled) = 100 lb/MMSCF.
 Emission factors are from AP-42, Chapter 1.4, Tables 1.4-1, and 1.4-2, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03 (July, 1998).
 All Emission factors are based on normal firing.

Emission Factor (lb/MMscf)	HAPs - Organics				
	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene
	2.1E-03	1.2E-03	7.5E-02	1.8E+00	3.4E-03
Potential To Emit (tons/year)	1.8E-05	1.0E-05	6.4E-04	1.5E-02	2.9E-05

Emission Factor (lb/MMscf)	HAPs - Metals				
	Lead	Cadmium	Chromium	Manganese	Nickel
	5.0E-04	1.1E-03	1.4E-03	3.8E-04	2.1E-03
Potential To Emit (tons/year)	4.3E-06	9.4E-06	1.2E-05	3.3E-06	1.8E-05

The five highest organic and metal HAPs emission factors provided above are from AP-42, Chapter 1.4, Table 1-4.2, 1.4-3 and 1.4-4 (July, 1998).
 Additional HAPs emission factors are available in AP-42, Chapter 1.4.

METHODOLOGY

Potential throughput (MMscf/year) = Heat input capacity (MMBtu/hour) * 8760 hours/year * 1 MMscf/1020 MMBtu
 PTE (tons/year) = Potential throughput (MMscf/year) * Emission factor (lb/MMscf) * 1 ton/2000 lbs

Emission Factor in lb/MMcf	Greenhouse Gas		
	CO2	CH4	N2O
	120,000	2.3	2.2
Potential Emission in tons/yr	1,031	0.02	0.02
Summed Potential Emissions in tons/yr	1,031		
CO2e Total in tons/yr	1,037		

Methodology

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

**Appendix A: Emission Calculations
Electrostatic Powder Paint Booths**

Company Name: Valeo Engine Cooling, Inc.
Soruce Address: 1100 East Barachel Lane, Greensburg, IN 47240
Permit No.: 031-29500-00014
Minor Permit Revision No.: 031-33052-00014
Reviewer: Deena Patton
Date: April 05, 2013

Emission Unit	Max. Usage Rate of Powder Paint (lbs/hour)	Transfer Efficiency (%)	PTE of PM/PM10/PM2.5 Uncontrolled (lbs/hr)	PTE of PM/PM10/PM2.5 Uncontrolled (tons/year)	Control Efficiency (%)	PTE of PM/PM10/PM2.5 Controlled (tons/year)
Paint Booth 1	12.0	50%	6.00	26.28	99%	0.26
Paint Booth 2	23.0	50%	11.50	50.37	99%	0.50
				76.7		0.77

Based on MSDS submitted by the source, there are no VOC or HAPs emissions contained in the powder paint.

All of the powder paint is captured via a filter system and recycled for reuse.

The cartridge filter system serving the two (2) Powder Paint Booths is considered "integral" to the powder coating operation.

It is assume all of the powder paint applied is equivalent to PM emissions.

It is assume all PM10 and PM2.5 emissions, each, are equal to PM emissions.

METHODOLOGY

PTE of PM/PM10 Uncontrolled (lbs/hr) = Max. usage rate (lbs/hour) * (1 - Transfer efficiency %)

PTE of PM/PM10 Uncontrolled (tons/year) = Max. usage rate (lbs/hour) * (1 - Transfer efficiency %) * 8760 hours/year * 1 ton/2000 lbs

PTE of PM/PM10 Controlled (prior to the 2nd filter system) (tons/year) = Max. usage rate (lbs/hour) * (1 - Transfer efficiency %) * (1- Control Efficiency (%)) * 8760

Appendix A: Emission Calculations
Natural Gas Combustion Only (MMBtu/hour < 100)
Two (2) Paint Dry-Off Ovens

Company Name: Valeo Engine Cooling, Inc.
Source Address: 1100 East Barachel Lane, Greensburg, IN 47240
Permit No.: 031-29500-00014
Minor Permit Revision No.: 031-33052-00014
Reviewer: Deena Patton
Date: April 05, 2013

Heat Input Capacity (MMBtu/hour)
3.00

(2 @ 1.5 MMBtu/hr, each)

Potential Throughput (MMscf/year)
25.76

Emission Factor (lb/MMscf)	Pollutant						
	* PM	* PM10	PM2.5	SO2	** NOx	VOC	CO
	1.9	7.6	7.6	0.6	100	5.5	84.0
Potential To Emit (tons/year)	0.02	0.10	0.10	7.73E-03	1.29	0.07	1.08

*PM emission factor is filterable PM only. PM10, and PM2.5, emission factors include filterable and condensable fractions combined.

**Emission factor for NOx (Uncontrolled) = 100 lb/MMSCF.

Emission factors are from AP-42, Chapter 1.4, Tables 1.4-1, and 1.4-2, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03 (July, 1998).

All Emission factors are based on normal firing.

HAPs - Organics

Emission Factor (lb/MMscf)	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene
	2.1E-03	1.2E-03	7.5E-02	1.8E+00	3.4E-03
Potential To Emit (tons/year)	2.7E-05	1.5E-05	9.7E-04	2.3E-02	4.4E-05

HAPs - Metals

Emission Factor (lb/MMscf)	Lead	Cadmium	Chromium	Manganese	Nickel
	5.0E-04	1.1E-03	1.4E-03	3.8E-04	2.1E-03
Potential To Emit (tons/year)	6.4E-06	1.4E-05	1.8E-05	4.9E-06	2.7E-05

The five highest organic and metal HAPs emission factors provided above are from AP-42, Chapter 1.4, Table 1.4-2, 1.4-3 and 1.4-4 (July, 1998).

Additional HAPs emission factors are available in AP-42, Chapter 1.4.

METHODOLOGY

Potential throughput (MMscf/year) = Heat input capacity (MMBtu/hour) * 8760 hours/year * 1 MMscf/1020 MMBtu

PTE (tons/year) = Potential throughput (MMscf/year) * Emission factor (lb/MMscf) * 1 ton/2000 lbs

Emission Factor in lb/MMcf	Greenhouse Gas		
	CO2	CH4	N2O
	120,000	2.3	2.2
Potential Emission in tons/yr	1,546	0.03	0.03
Summed Potential Emissions in tons/yr	1,546		
CO2e Total in tons/yr	1,555		

Methodology

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

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

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

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

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

(21) + N2O Potential Emission tons/yr x N2O GWP (310).

Appendix A: Emission Calculations

Process Emissions from the Paint Hook Burn-Off Oven

Company Name: Valeo Engine Cooling, Inc.
Soruce Address: 1100 East Barachel Lane, Greensburg, IN 47240
Permit No: 031-29500-00014
Minor Permit Revision No.: 031-33052-00014
Reviewer: Deena Patton
Date: April 05, 2013

Emission Unit	Weight of dirty hook (lbs)	Weight of clean hook (lbs)	No of Carriers/ batch	No of Hooks / batch	Actual No of Batches/ day	Weight burned-off (lbs/ day)	PTE of PM/PM10/PM2.5 (lbs/hour)	PTE of PM/PM10/PM2.5 (tons/year)
Paint Hook Burn-Off Oven	1.405	1.345	NA	200	1.00	12.0	1.50	6.57

METHODOLOGY

** Assume all PM10 and PM2.5 emissions, each, are equal to PM emissions.

Weight of PM Burned-off (lbs/day) = [Weight of dirty hooks (lbs) - Weight of clean hooks (lbs)] * No. of Hooks/ Batch * Actual no. of batches/day

PTE of PM/PM10 (lbs/hour) = Weight of PM Burned-Off (lbs/day) * 1 day/Hours of operation

PTE of PM/PM10 (tons/year) = Weight of PM Burned-Off (lbs/day) * 1 day/Hours of operation * 8760 hours/year * 1 ton/2000 lbs

Appendix A: Emission Calculations
Natural Gas Combustion Only (MMBtu/hour < 100)
One (1) Paint Hook Burn-Off Oven

Company Name: Valeo Engine Cooling, Inc.
Source Address: 1100 East Barachel Lane, Greensburg, IN 47240
Permit No.: 031-29500-00014
Minor Permit Revision No.: 031-33052-00014
Reviewer: Deena Patton
Date: April 05, 2013

Heat Input Capacity (MMBtu/hour)
0.475

Potential Throughput (MMscf/year)
4.08

Emission Factor (lb/MMscf)	Pollutant						
	* PM	* PM10	PM2.5	SO2	** NOx	VOC	CO
	1.9	7.6	7.6	0.6	100	5.5	84.0
Potential To Emit (tons/year)	3.9E-03	0.02	0.02	1.2E-03	0.20	0.01	0.17

*PM emission factor is filterable PM only. PM10, and PM2.5, emission factors include filterable and condensable fractions combined.

**Emission factor for NOx (Uncontrolled) = 100 lb/MMSCF.

Emission factors are from AP-42, Chapter 1.4, Tables 1.4-1, and 1.4-2, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03 (July, 1998).

All Emission factors are based on normal firing.

HAPs - Organics

Emission Factor (lb/MMscf)	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene
	2.1E-03	1.2E-03	7.5E-02	1.8E+00	3.4E-03
Potential To Emit (tons/year)	4.3E-06	2.4E-06	1.5E-04	3.7E-03	6.9E-06

HAPs - Metals

Emission Factor (lb/MMscf)	Lead	Cadmium	Chromium	Manganese	Nickel
	5.0E-04	1.1E-03	1.4E-03	3.8E-04	2.1E-03
Potential To Emit (tons/year)	1.0E-06	2.2E-06	2.9E-06	7.8E-07	4.3E-06

The five highest organic and metal HAPs emission factors provided above are from AP-42, Chapter 1.4, Table 1-4.2, 1.4-3 and 1.4-4 (July, 1998).

Additional HAPs emission factors are available in AP-42, Chapter 1.4.

METHODOLOGY

Potential throughput (MMscf/year) = Heat input capacity (MMBtu/hour) * 8760 hours/year * 1 MMscf/1020 MMBtu

PTE (tons/year) = Potential throughput (MMscf/year) * Emission factor (lb/MMscf) * 1 ton/2000 lbs

Emission Factor in lb/MMcf	Greenhouse Gas		
	CO2	CH4	N2O
	120,000	2.3	2.2
Potential Emission in tons/yr	245	0.005	0.004
Summed Potential Emissions in tons/yr	245		
CO2e Total in tons/yr	246		

Methodology

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

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

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

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

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

(21) + N2O Potential Emission tons/yr x N2O GWP (310).

**Appendix A: Emission Calculations
Two (2) Robotic Welders**

Company Name: Valeo Engine Cooling, Inc.
Source Address: 1100 East Barachel Lane, Greensburg, IN 47240
Permit No.: 031-29500-00014
Minor Permit Revision No.: 031-33052-00014
Reviewer: Deena Patton
Date: April 05, 2013

Process	Number of Stations	Max. Electrode Consumption (lbs/hour)	* Emission Factors (lb pollutant/lb electrode)				Potential To Emit (tons/year)			
			PM/PM10/PM2.5	Mn	Ni	Cr	PM/PM10/PM2.5	Mn	Ni	Cr
Metal Inert Gas (MIG) Welding	2	2.1	2.41E-02	3.46E-04	1.25E-03	5.28E-04	0.44	6.4E-03	0.02	9.7E-03

* Worst case emission factors were used to estimate emissions from gas metal arc welding [AP-42, Chapter 12.19, SCC 3-09-052, (01/95)].

** Assume all PM10 and PM2.5 emissions are equal to PM emissions, each.

METHODOLOGY

PTE from Welding (tons/year) = Number of Stations * Maximum Electrode Consumption (lbs/hour) * Emission Factor (lbs Pollutant/lbs Electrode) * 8760 hours/year * 1 ton/2000 lbs

Maximum electrode consumption per day

Process	Number of Stations	Max. Electrode Consumption (lbs/hr)	Combined Max. Electrode Consumption (lbs/hr)	Combined Max. Electrode Consumption (lbs/day)
Metal Inert Gas (MIG) Welding	2	2.1	4.20	100.80

Methodology

Combined maximum electrode consumption (lbs/hr) = Number of Stations * Maximum electrode consumption per station (lb/hr)

Combined maximum electrode consumption (lbs/day) = Combined maximum electrode consumption (lbs/hr) * 24 hrs/day

Appendix A: Emission Calculations
Natural Gas Combustion Only (MMBtu/hour < 100)
One (1) Boiler

Company Name: Valeo Engine Cooling, Inc.
Source Address: 1100 East Barachel Lane, Greensburg, IN 47240
Permit No: 031-29500-00014
Minor Permit Revision No.: 031-33052-00014
Reviewer: Deena Patton
Date: April 05, 2013

Heat Input Capacity (MMBtu/hour)
1.46

Potential Throughput (MMscf/year)
12.54

Emission Factor (lb/MMscf)	Pollutant						
	* PM	* PM10	PM2.5	SO2	** NOx	VOC	CO
	1.9	7.6	7.6	0.6	100	5.5	84.0
Potential To Emit (tons/year)	0.01	0.05	0.05	3.8E-03	0.63	0.03	0.53

*PM emission factor is filterable PM only. PM10, and PM2.5, emission factors include filterable and condensable fractions combined.

**Emission factor for NOx (Uncontrolled) = 100 lb/MMSCF.

Emission factors are from AP-42, Chapter 1.4, Tables 1.4-1, and 1.4-2, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03 (July, 1998).

All Emission factors are based on normal firing.

HAPs - Organics

Emission Factor (lb/MMscf)	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene
	2.1E-03	1.2E-03	7.5E-02	1.8E+00	3.4E-03
Potential To Emit (tons/year)	1.3E-05	7.5E-06	4.7E-04	1.1E-02	2.1E-05

HAPs - Metals

Emission Factor (lb/MMscf)	Lead	Cadmium	Chromium	Manganese	Nickel
	5.0E-04	1.1E-03	1.4E-03	3.8E-04	2.1E-03
Potential To Emit (tons/year)	3.1E-06	6.9E-06	8.8E-06	2.4E-06	1.3E-05

The five highest organic and metal HAPs emission factors provided above are from AP-42, Chapter 1.4, Table 1.4-2, 1.4-3 and 1.4-4 (July, 1998).

Additional HAPs emission factors are available in AP-42, Chapter 1.4.

METHODOLOGY

Potential throughput (MMscf/year) = Heat input capacity (MMBtu/hour) * 8760 hours/year * 1 MMscf/1020 MMBtu

PTE (tons/year) = Potential throughput (MMscf/year) * Emission factor (lb/MMscf) * 1 ton/2000 lbs

Emission Factor in lb/MMcf	Greenhouse Gas		
	CO2	CH4	N2O
	120,000	2.3	2.2
Potential Emission in tons/yr	752	0.01	0.01
Summed Potential Emissions in tons/yr	752		
CO2e Total in tons/yr	757		

Methodology

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

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

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

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

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

(21) + N2O Potential Emission tons/yr x N2O GWP (310).

Appendix A: Emission Calculations
Natural Gas Combustion Only (MMBtu/hour < 100)
Air Handlers

Company Name: Valeo Engine Cooling, Inc.
Source Address: 1100 East Barachel Lane, Greensburg, IN 47240
Permit No.: 031-29500-00014
Minor Permit Revision No.: 031-33052-00014
Reviewer: Deena Patton
Date: April 05, 2013

Air Handler ID	MMBtu/hr (each)	No. of Units	MMBtu/hr (total)
#1 through #4	2.475	4	9.9
#5 and #6	3.013	2	6.026
#7 and #8	2.475	2	4.95
#9 and #10	3.575	2	7.15
#11 and #12	3.575	2	7.15
#13	1.65	1	1.65
Total			36.826

Heat Input Capacity (MMBtu/hour)
36.826

Potential Throughput (MMscf/year)
316.27

Emission Factor (lb/MMscf)	Pollutant						
	* PM	* PM10	PM2.5	SO2	** NOx	VOC	CO
	1.9	7.6	7.6	0.6	100	5.5	84.0
Potential To Emit (tons/year)	0.30	1.20	1.20	0.09	15.81	0.87	13.28

*PM emission factor is filterable PM only. PM10, and PM2.5, emission factors include filterable and condensable fractions combined.

**Emission factor for NOx (Uncontrolled) = 100 lb/MMSCF.

Emission factors are from AP-42, Chapter 1.4, Tables 1.4-1, and 1.4-2, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03 (July, 1998).

All Emission factors are based on normal firing.

HAPs - Organics

Emission Factor (lb/MMscf)	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene
	2.1E-03	1.2E-03	7.5E-02	1.8E+00	3.4E-03
Potential To Emit (tons/year)	3.3E-04	1.9E-04	1.2E-02	2.8E-01	5.4E-04

HAPs - Metals

Emission Factor (lb/MMscf)	Lead	Cadmium	Chromium	Manganese	Nickel
	5.0E-04	1.1E-03	1.4E-03	3.8E-04	2.1E-03
Potential To Emit (tons/year)	7.9E-05	1.7E-04	2.2E-04	6.0E-05	3.3E-04

The five highest organic and metal HAPs emission factors provided above are from AP-42, Chapter 1.4, Table 1.4-2, 1.4-3 and 1.4-4 (July, 1998).

Additional HAPs emission factors are available in AP-42, Chapter 1.4.

METHODOLOGY

Potential throughput (MMscf/year) = Heat input capacity (MMBtu/hour) * 8760 hours/year * 1 MMscf/1020 MMBtu

PTE (tons/year) = Potential throughput (MMscf/year) * Emission factor (lb/MMscf) * 1 ton/2000 lbs

Emission Factor in lb/MMcf	Greenhouse Gas		
	CO2	CH4	N2O
	120,000	2.3	2.2
Potential Emission in tons/yr	18,976	0.36	0.35
Summed Potential Emissions in tons/yr	18,977		
CO2e Total in tons/yr	19,092		

Methodology

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

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

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

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

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

(21) + N2O Potential Emission tons/yr x N2O GWP (310).

**Appendix A: Emission Calculations
Wheelabrator Shot Blaster**

Company Name: Valeo Engine Cooling, Inc.
Source Address: 1100 East Barachel Lane, Greensburg, IN 47240
Permit No.: 031-29500-00014
Minor Permit Revision No.: 031-33052-00014
Reviewer: Deena Patton
Date: April 05, 2013

Emission Factors for Abrasives (Stappa/Alapco, 1991)

Abrasive	Emission Factor	
	lb PM/ lb abrasive	lb PM-10/ lb PM
Sand	0.041	0.7
Grit	0.01	0.7
Steel Shot	0.004	0.86
Other	0.01	

Potential To Emit (tons/yr)

Emission Unit	Total Maximum Blasting Rate (lbs/hr)	Type of Blasting Media	Uncontrolled PTE of PM (tons/yr)	Uncontrolled PTE of PM10 (tons/yr)	PM/PM10 Collection Efficiency (%)	Controlled PTE of PM (tons/yr)	Controlled PTE of PM10 (tons/yr)
Wheelabrator Shot Blaster	1000	Steel Shot	17.52	15.07	99.9%	0.0175	0.0151

Methodology:

Uncontrolled PTE of PM (ton/yr) = Total Maximum Blasting Rate (lb/hr) * Emission Factor (lb PM/lb abrasive) * (8,760 hr/yr) * (1 ton/2,000 lb)
 Uncontrolled PTE of PM10 (ton/yr) = Uncontrolled PTE of PM (ton/yr) * (0.86 lb PM10/lb PM)
 Controlled PTE (ton/yr) = Uncontrolled PTE (ton/yr) * (1 - control efficiency)
 Emission Factors are from Stappa/Alapco, 1991, Section 3, "Abrasive Blasting"

Compliance with 326 IAC 6-3-2:

Allowable Emissions, E = $4.10 * P^{0.67}$ (for weight rates up to 60,000 lb/hr)
where E = emissions in lbs/hr
P = process weight in tons/hr
P = $\frac{1000}{2000}$ lbs/hr
= 0.50 tons/hr
Allowable PM Emissions, E = $4.10 * 0.50^{0.67}$ lbs/hr
= 2.58 lbs/hr
= 61.8 lbs/day
= 11.3 tons/yr
The use of the filter ensure compliance with the limit above.



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204
(317) 232-8603
Toll Free (800) 451-6027
www.idem.IN.gov

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

TO: Wayne Wagers
Valeo Engine Cooling, Inc.
1100 E Barachel Lane
Greensburg, IN 47240

DATE: May 14, 2013

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

SUBJECT: Final Decision
Minor Revision
031-33052-00014

Enclosed is the final decision and supporting materials for the air permit application referenced above. Please note that this packet contains the original, signed, permit documents.

The final decision is being sent to you because our records indicate that you are the contact person for this application. However, if you are not the appropriate person within your company to receive this document, please forward it to the correct person.

A copy of the final decision and supporting materials has also been sent via standard mail to:
Christophe Finociety – Plant Manager
Kaiser Baig – Cornerstone Environmental
OAQ Permits Branch Interested Parties List

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178, or toll-free at 1-800-451-6027 (ext. 3-0178), and ask to speak to the permit reviewer who prepared the permit. If you think you have received this document in error, please contact Joanne Smiddie-Brush of my staff at 1-800-451-6027 (ext 3-0185), or via e-mail at jbrush@idem.IN.gov.

Final Applicant Cover letter.dot 11/30/07

Mail Code 61-53

IDEM Staff	GHOTOPP 5/14/2013 Valeo Engine Cooling, Inc 031-33052-00014 Final		Type of Mail: CERTIFICATE OF MAILING ONLY	AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING
Name and address of Sender		Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204		

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		Wayne Wagers Valeo Engine Cooling, Inc 1100 E Barachel Ln Greensburg IN 47240 (Source CAATS) via confirmed delivery										
2		Christophe Finociety Plant Mgr Valeo Engine Cooling, Inc 1100 E Barachel Ln Greensburg IN 47240 (RO CAATS)										
3		Decatur County Commissioners 150 Courthouse Square Greensburg IN 47240 (Local Official)										
4		Greensburg City Council & Mayors office 314 W Washington Street Greensburg IN 47240 (Local Official)										
5		Decatur County Health Department 801 N. Lincoln St Greensburg IN 47240-1397 (Health Department)										
6		Mr. Leonard Rohls 8504 North County Road 300 West Batesville IN 47006 (Affected Party)										
7		Melanie Brassell 606 Nelsons Parkway, P.O. Box 465 Wakarusa IN 46573 (Affected Party)										
8		Kaiser Baig Cornerstone Environmental 880 Lennox Ct. Zionsville IN 46077 (Consultant)										
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SENT VIA U.S. MAIL: CONFIRMED DELIVERY AND SIGNATURE REQUESTED

TO: Wayne Wagers
Valeo Engine Cooling, Inc.
1100 E Barachel Lane
Greensburg, IN 47240

DATE: May 14, 2013

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

SUBJECT: Final Decision
Minor Revision
031-33052-00014

Enclosed is the final decision and supporting materials for the air permit application referenced above. Please note that this packet contains the original, signed, permit documents.

The final decision is being sent to you because our records indicate that you are the contact person for this application. However, if you are not the appropriate person within your company to receive this document, please forward it to the correct person.

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Christophe Finociety – Plant Manager
Kaiser Baig – Cornerstone Environmental
OAQ Permits Branch Interested Parties List

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178, or toll-free at 1-800-451-6027 (ext. 3-0178), and ask to speak to the permit reviewer who prepared the permit. If you think you have received this document in error, please contact Joanne Smiddie-Brush of my staff at 1-800-451-6027 (ext 3-0185), or via e-mail at jbrush@idem.IN.gov.

Final Applicant Cover letter.dot 11/30/07

Mail Code 61-53

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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
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