



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
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: April 17, 2012

RE: Maxon Corporation/035-31490-00051

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 13-15-5-3, this permit is effective immediately, unless a petition for stay of effectiveness is filed and granted according to IC 13-15-6-3, 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 and IC 13-15-6-1 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 of 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.dot12/03/07



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Steven E Alles
Maxon Corporation
201 E 18th St.
Muncie, IN 47302

April 17, 2012

Re: F035-31490-00051
First Significant Permit Revision GHG
Reopening to F035-21895-00051

Dear Mr. Alles:

Maxon Corporation was issued a Federally Enforceable State Operating Permit (FESOP) Renewal No. F035-21895-00051 on September 14, 2007 for a stationary combustion unit manufacturing plant located at 201 E 18th St, Muncie, Indiana 47302.

On January 5, 2012, the Office of Air Quality (OAQ) provided notice to this source that the Greenhouse Gas (GHG) Tailoring Rule (75 FR 31514) set a date of July 1, 2012 for sources that have the potential to emit (PTE) greenhouse gases (GHGs) equal to or greater than 100,000 tons per year of carbon dioxide equivalent emissions (CO₂e) to apply for a Title V permit or revise their current FESOP to add limits on GHGs. This notice specified that companies could request IDEM to reopen their permit to add limits on GHGs. On February 14, 2012, IDEM OAQ received a request from this source to reopen its FESOP to add limits on GHGs, pursuant to the provisions of 326 IAC 2-8-8.

Pursuant to 326 IAC 2-7-1(39), starting July 1, 2011, GHGs emissions are subject to regulation at a source with a potential to emit of 100,000 tons per year or more of CO₂e. Therefore, CO₂e emissions have been calculated for this source. Based on the calculations, the PTE greenhouse gases from this entire source is equal to or greater than 100,000 tons of CO₂e per year (see TSD Appendix A for detailed calculations). This source would have been subject to the provisions of 326 IAC 2-7. However, this source will be issued a Significant Permit Revision (SPR) to its existing FESOP because the source will limit its CO₂e emissions to less than the Title V subject to regulation threshold of 100,000 tons per year. The attached Technical Support Document (TSD) provides additional explanation of the changes to the 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 SPR procedures of 326 IAC 2-8-11.1(f). Pursuant to the provisions of 326 IAC 2-8-11.1, a SPR to this permit is hereby approved as described in the attached TSD.

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 Sarah Street, of my staff, at 317-232-8427 or 1-800-451-6027, and ask for extension 2-8427.

Maxon Corporation
Muncie, Indiana
Permit Reviewer: Sarah Street

Page 2 of 2
FESOP SPR GHG Reopening No. F035-31490-00051

Sincerely,



Iryn Calilung, Section Chief
Permits Branch
Office of Air Quality

Attachments: Technical Support Document and revised permit

IC/ss

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



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Federally Enforceable State Operating Permit OFFICE OF AIR QUALITY

**Maxon Corporation
201 East 18th Street
Muncie, Indiana 47302**

(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.

This permit also addresses certain new source review requirements for existing equipment and is intended to fulfill the new source review procedures pursuant to 326 IAC 2-8-11.1, applicable to those conditions

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.: 035-21895-00051	
Issued by: Nisha Sizemore, Chief Permits Branch Office of Air Quality	Issuance Date: September 14, 2007 Expiration Date: September 14, 2017

First Administrative Amendment No. 035-26308-00051, issued April 29, 2008
Second Administrative Amendment No. 035-26551-00051, issued July 9, 2008
First Significant Permit Revision No.: 035-28855-00051, issued July 15, 2010
Third Administrative Amendment No.: 035-30529-00051, issued July 6, 2011

Significant Permit Revision (SPR) Greenhouse Gases (GHGs) Reopening	
Issued by:  Iryn Caillung, Section Chief Permits Branch Office of Air Quality	Issuance Date: April 17, 2012 Expiration Date: September 14, 2017

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SECTION A SOURCE SUMMARY

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

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

The Permittee owns and operates a stationary Combustion Unit Manufacturing Plant.

Source Address:	201 East 18th Street, Muncie, Indiana 47302
General Source Phone Number:	765-284-3304
SIC Code:	3433 (Heating Equipment, Except Electric and Warm Air Furnaces)
County Location:	Delaware
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) spray booth, identified as P-1, constructed in 2007, equipped with air atomization spray applicators and dry filters for particulate control, exhausting through Stack P-1, with a maximum capacity of 40 metal combustion unit parts per hour.
- (b) One (1) spray booth, identified as P-2, constructed in 2007, equipped with air atomization spray applicators and dry filters for particulate control, exhausting through Stack P-2, with a maximum capacity of 60 metal combustion unit parts per hour.
- (c) One (1) dip painting area, constructed in 1970, with a maximum capacity of 100 combustion unit parts per hour, consisting of one (1) solvent based process tank that contains a VOC liquid with a maximum capacity of 90 gallons.
- (d) One (1) rust proof dipping area, constructed in 1974, approved in 2011 for modification, with a maximum capacity of 100 combustion unit parts per hour, consisting of eight (8) process tanks that do not contain VOC liquids and one (1) oil sealant process tank that contains a VOC liquid with a maximum capacity of 250 gallons.

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) Grinding and machining operations controlled with fabric filters, scrubbers, mist collectors, wet collectors and electrostatic precipitators with a design grain loading of less than or equal to 0.03 grains per actual cubic foot and a gas flow rate less than or equal to 4,000 actual cubic feet per minute, including the following: deburring; buffing; polishing; abrasive blasting; pneumatic conveying; and woodworking operations. (326 IAC 6-3-2);
- (b) One (1) multi-fuel fired R & D burner test facility (non-production), constructed prior to 1980, with a maximum capacity of 90 MMBtu/hr as defined in 326 IAC 2-7-1(21)(E). (List of fuels permitted to fire; Natural gas, Coal, LPG-Propane, fuel oil #2, fuel oil #5, #6, and certain alternative fuels);

- (c) Degreasing operations that do not exceed one hundred and forty five (145) gallons per twelve (12) consecutive month period, (except if subject to 326 IAC 20-6):
 - (1) Five (5) cold solvent cleaning tanks, constructed after January 1, 1980, but before July 1, 1990. [326 IAC 8-3-2].
 - (2) One (1) cold solvent cleaning tank, constructed after January 1, 1990. [326 IAC 8-3-5].
 - (3) Miscellaneous cold solvent cleaning tanks, constructed before January 1, 1980.
- (d) Miscellaneous cleaning/degreasing operations using aqueous solutions containing less than or equal to one percent (1%) by weight of VOCs excluding HAPs as defined under Section 112(b) of the Clean Air Act;
- (e) Natural gas-fired combustion units with individual heat input equal to or less than 10 million British thermal units per hour, with a maximum total heat input capacity of 30.5 million British thermal units per hour.

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

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

SECTION B GENERAL CONDITIONS

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

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

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

- (a) This permit, 035-28855-00051, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, until the renewal permit has been issued or denied.

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

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

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

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

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

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

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

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

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

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

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

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

- (a) A certification required by this permit meets the requirements of 326 IAC 2-8-5(a)(1) if:
- (i) it contains a certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1), and
 - (ii) the certification is based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) The Permittee may use the attached Certification Form, or its equivalent with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.
- (c) An "authorized individual" is defined at 326 IAC 2-1.1-1(1).

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

- (a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. The initial certification shall cover the time period from the date of final permit issuance through December 31 of the same year. All subsequent certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted no later than July 1 of each year to:
- Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
- (b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.
- (c) The annual compliance certification report shall include the following:
- (1) The appropriate identification of each term or condition of this permit that is the basis of the certification;
 - (2) The compliance status;
 - (3) Whether compliance was continuous or intermittent;
 - (4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-8-4(3); and
 - (5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ may require to determine the compliance status of the source.

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

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

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

B.11 Preventive Maintenance Plan [326 IAC 1-6-3][326 IAC 2-8-4(9)][326 IAC 2-8-5(a)(1)]

(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, within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

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

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

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

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

The notice fulfills the requirement of 326 IAC 2-8-4(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 035-21895-00051 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) through (d) 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) through (d). 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)(2), (c)(1), and (d).

- (b) **Emission Trades [326 IAC 2-8-15(c)]**
The Permittee may trade emissions increases and decreases at the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-8-15(c).
- (c) **Alternative Operating Scenarios [326 IAC 2-8-15(d)]**
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-8-4(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 demolition start date;
 - (B) Removal or demolition contractor; or
 - (C) Waste disposal site.
- (c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).
- (d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

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

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

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

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

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

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

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

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

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

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

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

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. 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. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported except that a deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. This report shall be submitted not later than thirty (30) days after the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1). A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.
- (b) The address for report submittal is:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (d) The first report shall cover the period commencing on the date of issuance of this permit or the date of initial start-up, whichever is later, and ending on the last day of the reporting period. Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit, "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

Stratospheric Ozone Protection

C.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 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description: Surface Coating

- (a) One (1) spray booth, identified as P-1, constructed in 2007, equipped with air atomization spray applicators and dry filters for particulate control, exhausting through Stack P-1, with a maximum capacity of 40 metal combustion unit parts per hour.
- (b) One (1) spray booth, identified as P-2, constructed in 2007, equipped with air atomization spray applicators and dry filters for particulate control, exhausting through Stack P-2, with a maximum capacity of 60 metal combustion unit parts per hour.
- (c) One (1) dip painting area, constructed in 1970, with a maximum capacity of 100 combustion unit parts per hour, consisting of one (1) solvent based process tank that contains a VOC liquid with a maximum capacity of 90 gallons.
- (d) One (1) rust proof dipping area, constructed in 1974, approved in 2011 for modification, with a maximum capacity of 100 combustion unit parts per hour, consisting of eight (8) process tanks that do not contain VOC liquids and one (1) oil sealant process tank that contains a VOC liquid with a maximum capacity of 250 gallons.

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

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

D.1.1 Volatile Organic Compound (VOC) [326 IAC 8-2-9]

- (a) Pursuant to 326 IAC 8-2-9(c), no owner or operator of a facility engaged in the surface coating of miscellaneous metal parts and products in P-1 and P-2 may cause, allow, or permit the discharge into the atmosphere of any VOC in excess of the following:
 - (1) Fifty-two hundredths (0.52) kilogram per liter (four and three-tenths (4.3) pounds per gallon) of coating, excluding water, delivered to a coating applicator that applies clear coatings. A clear coating is a coating that:
 - (A) lacks color or opacity; and
 - (B) is transparent and uses the undercoat as a reflectant base or undertone color.
 - (2) Forty-two hundredths (0.42) kilogram per liter (three and five-tenths (3.5) pounds per gallon) of coating excluding water, delivered to a coating applicator in a coating application system that is air dried or forced warm air dried at temperatures up to ninety (90) degrees Celsius (one hundred ninety-four (194) degrees Fahrenheit).
 - (3) Forty-two hundredths (0.42) kilogram per liter (three and five-tenths (3.5) pounds per gallon) of coating, excluding water, delivered to a coating applicator that applies extreme performance coatings. Extreme performance coatings are coatings designed for exposure to:
 - (A) temperatures consistently above ninety-five (95) degrees Celsius;
 - (B) detergents;

- (C) abrasive or scouring agents;
 - (D) solvents;
 - (E) corrosive atmospheres;
 - (F) outdoor weather at all times; or
 - (G) similar environmental conditions.
- (4) Thirty-six hundredths (0.36) kilogram per liter (three (3) pounds per gallon) of coating, excluding water, delivered to a coating applicator for all other coatings and coating application systems.
- (b) Pursuant to 326 IAC 8-2-9(f), work practices shall be used to minimize VOC emissions from mixing operations, storage tanks, and other containers, and handling operations for coatings, thinners, cleaning materials, and waste materials. Work practices shall include, but not be limited to, the following:
- (1) Store all VOC containing coatings, thinners, coating related waste, and cleaning materials in closed containers.
 - (2) Ensure that mixing and storage containers used for VOC containing coatings, thinners, coating related waste, and cleaning materials are kept closed at all times except when depositing or removing these materials.
 - (3) Minimize spills of VOC containing coatings, thinners, coating related waste, and cleaning materials.
 - (4) Convey VOC containing coatings, thinners, coating related waste, and cleaning materials from one (1) location to another in closed containers or pipes.
 - (5) Minimize VOC emissions from the cleaning of application, storage, mixing, and conveying equipment by ensuring that equipment cleaning is performed without atomizing the cleaning solvent and all spent solvent is captured in closed containers.

D.1.2 Particulate Emission Limitation, Work Practices, and Control Technologies [326 IAC 6-3-2(d)]

Pursuant to 326 IAC 6-3-2(d), particulate from the two (2) spray booths identified as P-1 and P-2 shall be controlled by dry particulate filters and the Permittee shall operate the control devices in accordance with manufacturer's specifications.

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

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

Compliance Determination Requirements

D.1.4 Volatile Organic Compounds (VOC)

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

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

Compliance with the VOC content limit in Condition D.1.1 shall be determined pursuant to 326 IAC 8-1-2(a)(7), using a volume weighted average of coatings on a daily basis. This volume weighted average shall be determined by the following equation:

$$A = [\sum (c \times U) / \sum U]$$

Where:

A is the volume weighted average in pounds VOC per gallon less water as applied;

C is the VOC content of the coating in pounds VOC per gallon less water as applied; and

U is the usage rate of the coating in gallons per day.

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

D.1.6 Record Keeping Requirements

- (a) To document the compliance status with Condition D.1.1, the Permittee shall maintain records in accordance with (1) through (5) below. Records maintained for (1) through (5) shall be taken as stated below and shall be complete and sufficient to establish compliance with the VOC content and usage limits and the VOC emission limit established in Condition D.1.1.
- (1) The VOC content of each coating material and solvent used less water.
 - (2) The amount of coating material and solvent used on a daily basis.
 - (A) Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used.
 - (B) Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvents;
 - (3) The volume weighted VOC average content of the coating used for each day;
 - (4) The cleanup solvent usage for each day; and
 - (5) The total VOC usage for each day.
- (b) Section C - General Record Keeping Requirements, of this permit contains the Permittee's obligations with regard to the records required by this condition.

SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description: R and D Burner Test Facility (Insignificant Activities)

- (b) One (1) multi-fuel fired R & D burner test facility (non-production), constructed prior to 1980, with a maximum capacity of 90 MMBtu/hr as defined in 326 IAC 2-7-1(21)(E)
(List of fuels permitted to fire; Natural gas, Coal, LPG-Propane, fuel oil #2, fuel oil #5, #6, and certain alternative fuels).

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

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

D.2.1 FESOP Minor Limit [326 IAC 2-8-4] [326 IAC 2-2]

Pursuant to 326 IAC 2-8-4 and in order to render the requirements of 326 IAC 2-2 not applicable, the Permittee shall comply with the following:

- (a) Emissions from the R&D Burner shall be limited to the following:
- (1) PM emissions shall not exceed twenty-five (25) tons per twelve (12) consecutive month period, with compliance determined at the end of each month;
 - (2) PM₁₀, PM_{2.5} emissions shall not exceed twenty-five (25) tons, each, per twelve (12) consecutive month period, with compliance determined at the end of each month;
 - (3) SO₂ emissions shall not exceed eighty-eight (88) tons per twelve (12) consecutive month period, with compliance determined at the end of each month;
 - (4) NO_x emissions shall not exceed seventy (70) tons per twelve (12) consecutive month period, with compliance determined at the end of each month;
 - (5) VOC emissions shall not exceed five (5) tons per twelve (12) consecutive month period, with compliance determined at the end of each month;
 - (6) CO emissions shall not exceed sixty (60) tons per twelve (12) consecutive month period, with compliance determined at the end of each month;
 - (7) HAP emissions shall not exceed six (6) tons per twelve (12) consecutive month period for any combination of HAPs; and
 - (8) CO_{2e} emissions shall not exceed 55,000 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

Compliance with these limits, combined with the potential to emit PM₁₀, PM_{2.5}, SO₂, NO_x, VOC, CO, HAPs, and CO_{2e} from all other emission units at this source, shall limit the source-wide total potential to emit of PM₁₀, PM_{2.5}, SO₂, NO_x, VOC, and CO to less than 100 tons per 12 consecutive month period, each, any single HAP to emit less than 10 tons per 12 consecutive month period, any combination of HAPs to emit less than 25 tons per 12 consecutive month period, CO_{2e} to less than 100,000 tons per twelve (12) consecutive month period, and shall render 326 IAC 2-7 (Part 70 Permits), not applicable.

- (b) For liquid fuels used in the R&D Burner, the following shall apply:
- (1) For all liquid fuels that do not have AP-42 emission factors, emissions shall not exceed the following:
 - (i) PM emissions shall not exceed ten (10) pounds per kilogallon of liquid fuel used;
 - (ii) PM10 and PM2.5 emissions shall not exceed eleven and five-tenths (11.5) pounds per kilogallon, each, of liquid fuel used;
 - (iii) SO₂ emissions shall not exceed the value of the one hundred fifty-seven (157) times the percent (%) sulfur content by weight of the fuel being used, expressed in pounds per kilogallon of liquid fuel used, as shown in the following equation:
$$E_{SO_2} = 157 \times S, \text{ where}$$

E_{SO_2} is the calculated SO₂ emissions for the alternative liquid fuel used;
157 is the factor applied as found in AP-42 Table 1.3-1; and
S is the % sulfur content by weight of the alternative liquid fuel used.
 - (iv) NO_x emissions shall not exceed forty-seven (47) pounds per kilogallon of liquid fuel used;
 - (v) VOC emissions shall not exceed three-tenths (0.3) pounds per kilogallon of liquid fuel used;
 - (vi) CO emissions shall not exceed five (5) pounds per kilogallon of liquid fuel used; and
 - (vii) CO₂e emissions:
 - (A) For No. 2 Fuel Oil: CO₂e emissions shall not exceed 22,714 pounds per kilogallon of liquid fuel used.
 - (B) For No. 5 Fuel Oil, No. 6 Fuel Oil, and all other liquid fuels: CO₂e emissions shall not exceed 24,917 pounds per kilogallon of liquid fuel used.
 - (2) Waste oil shall not be used in the R&D Test Burner.
 - (3) Hazardous Waste as identified per 40 CFR shall not be used in the R&D Test Burner.
 - (4) The usage of any one liquid fuel for which there are no known emission factors shall not exceed one (1) kilogallon per twelve (12) consecutive month period, with compliance determined at the end of each month.
- (c) For solid fuels used in the R&D Test Burner, the following shall apply:
- (1) For all solid fuels that do not have AP-42 emission factors, emissions shall not exceed the following:
 - (i) PM emissions shall not exceed one hundred eight (108) pounds per

ton of solid fuel used;

(ii) PM10 and PM2.5 emissions shall not exceed forty-six (46.0) pounds per ton of solid fuel used, and twenty-four and eight-four hundredths (24.84) pounds per ton of solid fuel used, respectively;

(iii) SO₂ emissions shall not exceed the value of the thirty-nine (39) times the percent (%) sulfur content by weight of the fuel being used, expressed in pounds per ton of solid fuel used, as shown in the following equation:

$$E_{SO_2} = 39 \times S, \text{ where}$$

E_{SO_2} is the calculated SO₂ emissions for the alternative solid fuel used;

39 is the factor applied as found in AP-42 Table 1.1-3; and

S is the % sulfur content by weight of the alternative solid fuel used.

(iv) NO_x emissions shall not exceed eleven (11) pounds per ton of solid fuel used;

(v) VOC emissions shall not exceed six-hundredths (0.06) pounds per ton of solid fuel used;

(vi) CO emissions shall not exceed five-tenths (0.5) pounds per ton of solid fuel used; and

(vii) CO₂e emissions:

(A) For Bituminous Coal: CO₂e emissions shall not exceed 5,173 pounds per ton of solid fuel used.

(B) For Anthracite Coal and all other solid fuels: CO₂e emissions shall not exceed 5,767 pounds per ton of solid fuel used.

(2) Municipal Solid Waste, and Construction and Demolition Waste shall not be used in the R&D Test Burner.

(3) The usage of any one solid fuel for which there are no known emission factors shall not exceed three (3) tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

(d) For gaseous fuels used in the R&D Test Burner, the following shall apply:

(1) For all gaseous fuels, emissions shall not exceed the following:

(i) PM emissions shall not exceed one and nine-tenths (1.9) pounds per million cubic feet (MMCF) of gaseous fuel used;

(ii) PM10, PM2.5 emissions shall not exceed seven and six-tenths (7.6) pounds per million cubic feet (MMCF), each, of gaseous fuel used;

(iii) SO₂ emissions shall not exceed six-tenths (0.6) pounds per million cubic feet (MMCF) of gaseous fuel used;

(iv) NO_x emissions shall not exceed one hundred (100) pounds per million cubic feet (MMCF) of gaseous fuel used;

- (v) VOC emissions shall not exceed five and five-tenths (5.5) pounds per million cubic feet (MMCF) of gaseous fuel used;
- (vi) CO emissions shall not exceed eighty-four (84) pounds per million cubic feet (MMCF) of gaseous fuel used; and
- (vii) CO₂e emissions:
 - (A) For Propane/LPG: CO₂e emissions shall not exceed 13,164 pounds per million cubic feet (MMCF) of gaseous fuel used.
 - (B) For Natural Gas and all other gaseous fuels: CO₂e emissions shall not exceed 120,280 pounds per million cubic feet (MMCF) of gaseous fuel used.

Compliance with the above limits and the potential SO₂, PM, PM₁₀, PM_{2.5}, VOC, CO, NO_x, and CO₂e emissions from the insignificant activities will limit the source wide SO₂, PM, PM₁₀, PM_{2.5}, VOC, CO, and NO_x emissions to less than 100 tons per twelve (12) consecutive month period, each, CO₂e emissions to less than 100,000 tons per twelve (12) consecutive month period, and will render 326 IAC 2-7 (Part 70) and 326 IAC 2-2 (PSD) not applicable to this source.

D.2.2 Sulfur Dioxide (SO₂) [326-7-1.1]

Pursuant to 326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations), the sulfur dioxide emissions from the R&D Burner shall be limited to:

- (a) 6.0 pounds per million British thermal unit (MMBtu) when combusting bituminous coal; and
- (b) 1.6 pounds per MMBtu when combusting residual oil.

Compliance Determination, Monitoring and Testing Requirements

D.2.3 Compliance Determination, Monitoring, and Testing Requirements

- (a) To document compliance with Condition D.2.1, the Permittee shall use the following equation to calculate emissions from the usage of multiple types of fuel in the R&D Burner:

$$\text{Emissions}_x = \sum L(\text{EF}_L) + \sum G(\text{EF}_G) + \sum S(\text{EF}_S)$$

Where:

- L = usage, in gallons, of each liquid fuel used in the R&D Burner in previous 12 months;
- EF_L = Emission Factor for each fuel used in the R&D Burner in previous 12 months;
- G = usage, in million cubic feet, of each gaseous fuel used in the R&D Burner in previous 12 months;
- EF_G = emission factor for each gaseous fuel used in the R&D Burner in previous 12 months;
- S = usage in tons, of each solid fuel used in the R&D Burner in previous 12 months;
- EF_S = emission factor for each solid fuel used in the R&D Burner in previous 12 months.

FUEL	PM	PM10	PM2.5	SO2	NOx	VOC	CO	CO _{2e}
Liquid	(lb/kgal)							
No. 2 Fuel Oil	2.0	3.3	3.3	71.0	24.0	0.3	5.0	22,741
No. 5 Fuel Oil	10.0	11.5	11.5	78.5	47.0	0.3	5.0	24,917
No. 6 Fuel Oil	9.19	11.5	11.5	78.5	47.0	0.3	5.0	24,917
Other Liquid*	10.0	11.5	11.5	157S	47.0	0.3	5.0	24,917
Gaseous	(lb/mmcf)							
Natural Gas	1.9	7.6	7.6	0.6	100.0	5.5	84.0	120,280
LPG-Propane	0.6	0.6	0.6	1.5	19.0	0.5	3.2	13,164
Other Gaseous*	1.9	7.6	7.6	0.6	100.0	5.5	84.0	120,280
Solid	(lb/ton)							
Bituminous Coal	108.0	24.84	24.84	163.40	11.00	0.06	0.5	5,173
Anthracite Coal	64.0	46.00	12.00	39S	18.00	0.30	0.6	5,767
Other solid*	108.0	46.00	24.84	39S	18.00	0.30	0.6	5,767

* Note: For any alternative fuel for which the source has certified emission factors that are less than the worst-case emission factors in "Other" in the table above, the source may substitute emission factors in the above equation.

For SO2 emissions for "Other" liquid fuels, the factor of 157 shall be multiplied times the % sulfur content by weight to determine SO2 emissions.

For SO2 emissions for "Other" solid fuels, the factor of 39 shall be multiplied times the % sulfur content by weight to determine SO2 emissions.

The above equation shall be used for each of the criteria pollutants of PM, PM10, SO2, NOx, VOC, CO, and CO_{2e}.

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

D.2.4 Record Keeping Requirements

- (a) To document the compliance status with Condition D.2.1, the Permittee shall maintain a log of monthly usage of all fuels, using compliance determination methods in accordance with Condition D.2.3.
- (b) To document the compliance status with Condition D.2.1, the Permittee shall maintain a record of all vendor certifications, showing sulfur content of the fuels used.
- (c) Section C - General Record Keeping Requirements of this permit contains the Permittee's obligations with regard to the records required by this condition.

D.2.5 Reporting Requirements

A quarterly summary of the fuel usage to document the compliance status with Conditions D.2.1 and D.2.3 shall be submitted using the reporting forms located at the end of this permit, or their equivalent, no later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. 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.3 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description: Specifically Regulated Insignificant Activities:

- (a) Grinding and machining operations controlled with fabric filters, scrubbers, mist collectors, wet collectors and electrostatic precipitators with a design grain loading of less than or equal to 0.03 grains per actual cubic foot and a gas flow rate less than or equal to 4,000 actual cubic feet per minute, including the following: deburring; buffing; polishing; abrasive blasting; pneumatic conveying; and woodworking operations. (326 IAC 6-3-2);
- (c) Degreasing operations that do not exceed one hundred and forty five (145) gallons per twelve (12) consecutive month period, (except if subject to 326 IAC 20-6):
 - (1) Five (5) cold solvent cleaning tanks, constructed after January 1, 1980, but before July 1, 1990. [326 IAC 8-3-2].
 - (2) One (1) cold solvent cleaning tank, constructed after January 1, 1990. [326 IAC 8-3-5]
 - (3) Miscellaneous cold solvent cleaning tanks, constructed before January 1, 1980.
- (d) Miscellaneous cleaning/degreasing operations using aqueous solutions containing less than or equal to one percent (1%) by weight of VOCs excluding HAPs as defined under Section 112(b) of the Clean Air Act.

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

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

D.3.1 Particulate Emission Limitations for Manufacturing Processes [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2(e)(2), the allowable particulate emission rate from the grinding and machining operations shall not exceed 0.551 pounds per hour.

D.3.2 Volatile Organic Compounds (VOC) [326 IAC 8-3-2]

Pursuant to 326 IAC 8-3-2, for each of the five (5) cold solvent cleaning tanks, constructed after January 1, 1980, but before July 1, 1990, the owner, or operator shall:

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

D.3.3 Volatile Organic Compounds (VOC) [326 IAC 8-3-5]

- (a) Pursuant 326 IAC 8-3-5(a), the owner or operator shall ensure that the following control equipment requirements are met for the one (1) cold solvent cleaning tank, constructed after January 1, 1990:

- (1) Equip the degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:
 - (A) The solvent volatility is greater than two (2) kiloPascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F));
 - (B) The solvent is agitated; or
 - (C) The solvent is heated.
 - (2) Equip the degreaser with a facility for draining cleaned articles. If the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)), then the drainage facility must be internal such that articles are enclosed under the cover while draining. The drainage facility may be external for applications where an internal type cannot fit into the cleaning system.
 - (3) Provide a permanent, conspicuous label which lists the operating requirements outlined in 326 IAC 8-3-5(b).
 - (4) The solvent spray, if used, must be a solid, fluid stream and shall be applied at a pressure which does not cause excessive splashing.
 - (5) Equip the degreaser with one (1) of the following control devices if the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury) or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9°C) (one hundred twenty degrees Fahrenheit (120°F)):
 - (A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.
 - (B) A water cover when solvent is used is insoluble in, and heavier than, water.
 - (C) Other systems of demonstrated equivalent control such as a refrigerated chiller or carbon adsorption. Such systems shall be submitted to the U.S. EPA as a SIP revision.
- (b) Pursuant 326 IAC 8-3-5(b), the owner or operator shall ensure that the following operating requirements are met for the one (1) cold solvent cleaning tank, constructed after January 1, 1990:
- (1) Close the cover whenever articles are not being handled in the degreaser.
 - (2) Drain cleaned articles for at least fifteen (15) seconds or until dripping ceases.
 - (3) Store waste solvent only in covered containers and prohibit the disposal or transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent by weight could evaporate.

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

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

Source Name: Maxon Corporation
Source Address: 201 East 18th Street, Muncie, Indiana 47302
FESOP Permit No.: F035-21895-00051

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: Maxon Corporation
Source Address: 201 East 18th Street, Muncie, Indiana 47302
FESOP Permit No.: F035-21895-00051

This form consists of 2 pages

Page 1 of 2

- | |
|--|
| <p><input type="checkbox"/> This is an emergency as defined in 326 IAC 2-7-1(12)</p> <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: Maxon Corporation
Source Address: 201 East 18th Street, Muncie, Indiana 47302
FESOP Permit No.: F035-21895-00051
Facility: R&D Burner Test Facility
Parameter: SO2 Emissions
Limit: SO2 emissions from the R&D Test Burner shall not exceed 88.0 tons per twelve (12) consecutive month period.

Quarter: _____ Year: _____

Page 1 of 2

Month	Fuel Types (units)	Column 1	Column 2	Column 1 + Column 2	Emission Factor for SO ₂	Total SO ₂ Emissions From All Fuels (tons per twelve (12) consecutive month period)
		Usage This Month	Usage Previous 11 Months	Usage 12 Month Total		
Month 1	No. 2 Fuel Oil (gallons)				0.071 lbs/gallon	
	No. 5 Fuel Oil (gallons)				0.0785 lbs/gallon	
	No. 6 Fuel Oil (gallons)				0.0785 lbs/gallon	
	Other Liquid Fuels (gallons)				157 x % Sulfur content	
	Natural Gas (MMCF)				0.6 lbs/mmcf	
	LPG-propane (gallons)				0.0015 lbs/gallon	
	Other Gaseous Fuels (MMCF)				0.6 lbs/mmcf	
	Bituminous Coal (tons)				163.40 lbs/ton	
	Other Solid Fuels (tons)				38 x % Sulfur content	
Month 2	No. 2 Fuel Oil (gallons)				0.071 lbs/gallon	
	No. 5 Fuel Oil (gallons)				0.0785 lbs/gallon	
	No. 6 Fuel Oil (gallons)				0.0785 lbs/gallon	
	Other Liquid Fuels (gallons)				157 x % Sulfur content	
	Natural Gas (MMCF)				0.6 lbs/mmcf	
	LPG-propane (gallons)				0.0015 lbs/gallon	
	Other Gaseous Fuels (MMCF)				0.6 lbs/mmcf	
	Bituminous Coal (tons)				163.40 lbs/ton	
	Other Solid Fuels (tons)				38 x % Sulfur content	
Month 3	No. 2 Fuel Oil (gallons)				0.071 lbs/gallon	
	No. 5 Fuel Oil (gallons)				0.0785 lbs/gallon	
	No. 6 Fuel Oil (gallons)				0.0785 lbs/gallon	
	Other Liquid Fuels (gallons)				157 x % Sulfur content	
	Natural Gas (MMCF)				0.6 lbs/mmcf	
	LPG-propane (gallons)				0.0015 lbs/gallon	
	Other Gaseous Fuels (MMCF)				0.6 lbs/mmcf	
	Bituminous Coal (tons)				163.40 lbs/ton	
	Other Solid Fuels (tons)				38 x % Sulfur content	

- 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**

Quarterly Report

Source Name: Maxon Corporation
Source Address: 201 East 18th Street, Muncie, Indiana 47302
FESOP No.: F035-21895-00051
Facility: R&D Test Burner
Parameter: CO₂e emissions
Limit: The CO₂e emissions from the R&D Test Burner shall not exceed 55,000.0 tons per twelve (12) consecutive month period, with compliance determined at the end of each month, using the equation found in Condition D.2.3.

QUARTER: _____ YEAR: _____

Month	Fuel Types (units)	Column 1	Column 2	Column 1 + Column 2	Emission for CO ₂ e	Total CO ₂ e Emissions From All Fuels Used (tons per 12 month consecutive period)
		Usage This Month	Usage Previous 11 Months	Usage 12 Month Total		
Month 1	No. 2 Fuel Oil (gallons)				22,741 lb/kgal	
	No. 5 Fuel Oil (gallons)				24,917 lb/kgal	
	No. 6 Fuel Oil (gallons)				24,917 lb/kgal	
	Other Liquid Fuels (gallons)				24,917 lb/kgal	
	Natural Gas (MMCF)				120,280 lb/MMCF	
	LPG-propane (gallons)				13,164 lb/kgal	
	Other Gaseous Fuels (MMCF)				120,280 lb/MMCF	
	Bituminous Coal (tons)				5,173 lb/ton	
	Anthracite Coal (tons)				5,767 lb/ton	
	Other Solid Fuels (tons)				5,767 lb/ton	
Month 2	No. 2 Fuel Oil (gallons)				22,741 lb/kgal	
	No. 5 Fuel Oil (gallons)				24,917 lb/kgal	
	No. 6 Fuel Oil (gallons)				24,917 lb/kgal	
	Other Liquid Fuels (gallons)				24,917 lb/kgal	
	Natural Gas (MMCF)				120,280 lb/MMCF	
	LPG-propane (gallons)				13,164 lb/kgal	
	Other Gaseous Fuels (MMCF)				120,280 lb/MMCF	
	Bituminous Coal (tons)				5,173 lb/ton	
	Anthracite Coal (tons)				5,767 lb/ton	
	Other Solid Fuels (tons)				5,767 lb/ton	

Month 3	No. 2 Fuel Oil (gallons)				22,741 lb/kgal
	No. 5 Fuel Oil (gallons)				24,917 lb/kgal
	No. 6 Fuel Oil (gallons)				24,917 lb/kgal
	Other Liquid Fuels (gallons)				24,917 lb/kgal
	Natural Gas (MMCF)				120,280 lb/MMCF
	LPG-propane (gallons)				13,164 lb/kgal
	Other Gaseous Fuels (MMCF)				120,280 lb/MMCF
	Bituminous Coal (tons)				5,173 lb/ton
	Anthracite Coal (tons)				5,767 lb/ton
	Other Solid Fuels (tons)				5,767 lb/ton

- 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: Maxon Corporation
Source Address: 201 East 18th Street, Muncie, Indiana 47302
FESOP Permit No.: F035-21895-00051

Months: _____ to _____ Year: _____

Page 1 of 2

<p>This report shall be submitted quarterly based on a calendar year. 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 Significant Permit Revision (SPR)
Greenhouse Gases (GHGs) Reopening to a Federally Enforceable State
Operating Permit (FESOP)

Source Description and Location

Source Name:	Maxon Corporation
Source Location:	201 East 18th Street, Muncie, Indiana 47302
County:	Delaware
SIC Code:	3433 (Heating Equipment, Except Electric and Warm Air Furnaces)
Operation Permit No.:	F035-21895-00051
Operation Permit Issuance Date:	September 14, 2007
Significant Permit Revision No.:	F035-31490-00051
Permit Reviewer:	Sarah Street

Maxon Corporation was issued a Federally Enforceable State Operating Permit (FESOP) Renewal No. F035-21895-00051 on September 14, 2007 for a stationary Combustion Unit Manufacturing Plant located at 201 East 18th Street, Muncie, Indiana 47302

On January 5, 2012, the Office of Air Quality (OAQ) provided notice to this source that the Greenhouse Gas (GHG) Tailoring Rule (75 FR 31514) set a date of July 1, 2012 for sources that have the potential to emit (PTE) greenhouse gases (GHGs) equal to or greater than 100,000 tons per year of carbon dioxide equivalent emissions (CO₂e) to apply for a Title V permit or revise their current FESOP to add limits on GHGs. This notice specified that companies could request IDEM to reopen their permit to add limits on GHGs. On February 14, 2012, IDEM OAQ received a request from this source to reopen its FESOP to add limits on GHGs, pursuant to the provisions of 326 IAC 2-8-8.

Existing Approvals

The source was issued FESOP Renewal No. F035-21895-00051 on September 14, 2007. The source has since received the following approvals:

- (a) Administrative Amendment No. 035-26308-00051, issued on April 29, 2008; and
- (b) Administrative Amendment No. 035-26551-00051, issued on July 9, 2008; and
- (c) Significant Permit Revision No. 035-28855-00051, issued on July 15, 2010; and
- (d) Administrative Amendment No. 035-30529-00051, issued on July 6, 2011.

County Attainment Status

The source is located in Delaware County.

Pollutant	Designation
SO ₂	Better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O ₃	Attainment effective January 3, 2006, for the Muncie area, including Delaware County, for the 8-hour ozone standard. ¹
PM ₁₀	Unclassifiable effective November 15, 1990.

Pollutant	Designation
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. Delaware 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}**
Delaware 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**
Delaware 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.

Description of Proposed Revision

Pursuant to 326 IAC 2-7-1(39), starting July 1, 2011, GHGs emissions are subject to regulation at a source with a potential to emit of 100,000 tons per year or more of CO₂e. Therefore, CO₂e emissions have been calculated for this source. Based on the calculations, the PTE greenhouse gases from the entire source is equal to or greater than 100,000 tons of CO₂e per year (see TSD Appendix A for detailed calculations). This source would have been subject to the provisions of 326 IAC 2-7. However, this source will be issued a Significant Permit Revision (SPR) to its existing FESOP because this source will limit its CO₂e emissions to less than the Title V subject to regulation threshold of 100,000 tons per year.

No new emission units are included in this proposed revision.

Emission Calculations

See Appendix A of this TSD for detailed emission calculations.

PTE of the Entire Source After Issuance of the FESOP Revision

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.

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
Spray Booth P-1	1.28	1.28	-	-	4.21	-	-	2.62	2.44 Xylene
Spray Booth P-2	1.92	1.92	-	-	6.65	-	-	3.11	2.90 Xylene
Dip Painting Area	0.86	0.86	-	-	4.98	-	-	0.20	0.12 Xylene
Rust Proof Dipping Area	0.18	0.18	-	-	0.48	-	-	0.13	0.08 Xylene
R&D Burner	25.00	25.00	88.00	70.00	5.00	60.00	55,000	6.00	0.70 Hexane
Insignificant Cold Solvent Cleaners	-	-	-	-	0.51	-	-	-	-
Insignificant Grinding & Machining	4.51	4.51	-	-	-	-	-	-	-
Insignificant Combustion	0.25	1.00	0.08	13.10	0.72	11.00	15,812	0.25	0.24 Hexane
Total PTE of Entire Source	34.00	34.75	88.08	83.10	22.55	71.00	70,812	12.32	5.54 Xylene
Title V Major Source Thresholds**	NA	100	100	100	100	100	100,000	25	10
PSD Major Source Thresholds**	250	250	250	250	250	250	100,000	NA	NA

*Under the Part 70 Permit program (40 CFR 70), particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers (PM10), not particulate matter (PM), is considered as a "regulated air pollutant".
**The 100,000 CO₂e threshold represents the Title V and PSD subject to regulation thresholds for GHGs in order to determine whether a source's emissions are a regulated NSR pollutant under Title V and PSD.

FESOP and PSD Minor Status for GHGs

- (a) This revision to an existing Title V minor stationary source will not change the minor status, because the potential to emit GHGs 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) This modification to an existing PSD minor stationary source will not change the PSD minor status, because the potential to emit of GHGs 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.

Pursuant to 326 IAC 2-8-4 and in order to render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable, the source shall comply with the following:

Note: Majority of the CO₂e emissions are from the R&D Burner, which is capable of using different types of fuel. To maintain the same operational flexibility, the CO₂ emissions and limits will be specified in the same format as already specified in the permit. See Appendix A for the detailed calculations.

- (1) Emissions from the R&D Burner shall be limited to the following:

CO₂e emissions shall not exceed 55,000 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.
- (2) For liquid fuels used in the R&D Burner, the following shall apply:
 - (a) For No. 2 Fuel Oil: CO₂e emissions shall not exceed 22,714 pounds per kilogallon of liquid fuel used.
 - (b) For No. 5 Fuel Oil, No. 6 Fuel Oil, and all other liquid fuels: CO₂e emissions shall not exceed 24,917 pounds per kilogallon of liquid fuel used.
- (3) For solid fuels used in the R&D Burner, the following shall apply:
 - (a) For Bituminous Coal: CO₂e emissions shall not exceed 5,173 pounds per ton of solid fuel used.
 - (b) For Anthracite Coal and all other solid fuels: CO₂e emissions shall not exceed 5,767 pounds per ton of solid fuel used.
- (4) For gaseous fuels used in the R&D Burner, the following shall apply:
 - (a) For Propane/LPG: CO₂e emissions shall not exceed 13,164 pounds per million cubic feet (MMCF) of gaseous fuel used.
 - (b) For Natural Gas and all other gaseous fuels: CO₂e emissions shall not exceed 120,280 pounds per million cubic feet (MMCF) of gaseous fuel used.

Compliance with these limits, combined with the potential to emit GHGs from all other emission units at this source, shall limit the source-wide total potential to emit GHGs to less than 100,000 tons of CO₂e per 12 consecutive month period and shall render 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) and 326 IAC 2-7 (Title V) not applicable.

<p align="center">Federal Rule and State Rule Applicability Determination and Compliance Determination, Monitoring and Testing Requirements</p>
--

The existing applicable federal, state and compliance requirements will not change as a result of this reopening. The source shall continue to comply with the applicable requirements and permit conditions as contained in FESOP No: 035-30529-00051, issued on July 6, 2011, except as indicated below under Proposed Changes.

The CO₂e emission factors are derived as follows:

$$\text{Emissions}_{(\text{CO}_2, \text{CH}_4 \text{ and } \text{N}_2\text{O})} = \sum L(\text{EF}_{\text{CO}_2}) + \sum L(\text{EF}_{\text{CH}_4}) + \sum L(\text{EF}_{\text{N}_2\text{O}}) + \sum G(\text{EF}_{\text{CO}_2}) + \sum G(\text{EF}_{\text{CH}_4}) + \sum G(\text{EF}_{\text{N}_2\text{O}}) + \sum S(\text{EF}_{\text{CO}_2}) + \sum S(\text{EF}_{\text{CH}_4}) + \sum S(\text{EF}_{\text{N}_2\text{O}})$$

$$\text{Emissions}_{\text{CO}_2\text{e}} = \sum \text{CO}_2 \text{ Emissions ton/yr} \times \text{CO}_2 \text{ GWP (1)} + \sum \text{CH}_4 \text{ Emissions ton/yr} \times \text{CH}_4 \text{ GWP (21)} + \sum \text{N}_2\text{O Emissions ton/yr} \times \text{N}_2\text{O GWP (310)}.$$

Where:

L = usage, in gallons, of each liquid fuel used in the R&D Burner in previous 12 months;
G = usage, in million cubic feet, of each gaseous fuel used in the R&D Burner in previous 12 months;

S = usage in tons, of each solid fuel used in the R&D Burner in previous 12 months
EF_{CO2} = Emission Factor for each fuel used in the R&D Burner in previous 12 months;
EF_{CH4} = Emission Factor for each fuel used in the R&D Burner in previous 12 months;
EF_{N2O} = Emission Factor for each fuel used in the R&D Burner in previous 12 months

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

Emission Factors:

<u>FUEL</u>	<u>CO₂</u>	<u>CH₄</u>	<u>N₂O</u>
<u>Liquid</u>	(lb/kgal)	(lb/kgal)	(lb/kgal)
No. 2 Fuel Oil	22,664	0.92	0.1839
No. 5 Fuel Oil	24,835	0.99	0.1984
No. 6 Fuel Oil	24,835	0.99	0.1984
Other Liquid*	24,835	0.99	0.1984
<u>Gaseous</u>	(lb/mmcf)	(lb/mmcf)	(lb/mmcf)
Natural Gas	120,162	2.27	0.2266
LPG-Propane	12,774	0.61	1.2170
	(lb/kgal)	(lb/kgal)	(lb/kgal)
Other Gaseous*	120,162	2.27	0.2266
<u>Solid</u>	(lb/ton)	(lb/ton)	(lb/ton)
Bituminous Coal	5,133	0.60	0.0879
Anthracite Coal	5,727	0.61	0.0885
Other solid*	5,727	0.61	0.0885

* Note: For any alternative fuel for which the source has certified emission factors that are less than the worst-case emission factors in "Other" in the table above, the source may substitute emission factors in the above equation.

Proposed Changes

For this permit reopening, IDEM, OAQ has made the following changes to the permit:

- (a) IDEM has added the insignificant combustion units already existing at the source to Section A.3 - Insignificant Activities [326 IAC 2-7-1(21)][326 IAC 2-8-3(c)(3)(I)].
- (b) IDEM has revised Section C - Overall Source Limit to reflect that in order to remain a FESOP, the potential to emit greenhouse gases shall be limited to less than 100,000 tons per year of CO2 equivalent emissions (CO2e).
- (c) IDEM has added applicable requirements (standards, limitations, compliance determination, record keeping and reporting) to limit CO2e emissions to be less than 100,000 tons per year in order to render 326 IAC 2-2 (PSD) and 326 IAC 2-7 (Part 70 Permits) not applicable. All subsequent conditions were renumbered as necessary.

The permit has been revised as follows with deleted language as ~~strikeouts~~ and new language **bolded**:

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:

...

- (d) Miscellaneous cleaning/degreasing operations using aqueous solutions containing less than or equal to one percent (1%) by weight of VOCs excluding HAPs as defined under Section 112(b) of the Clean Air Act-;
- (e) **Natural gas-fired combustion units with individual heat input equal to or less than 10 million British thermal units per hour, with a maximum total heat input capacity of 30.5 million British thermal units 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.**

...

D.2.1 FESOP Minor Limit [326 IAC 2-8-4] [326 IAC 2-2]

Pursuant to 326 IAC 2-8-4 and in order to render the requirements of 326 IAC 2-2 not applicable, the Permittee shall comply with the following:

- (a) Emissions from the R&D Burner shall be limited to the following:
 - ...
 - (6) CO emissions shall not exceed sixty (60) tons per twelve (12) consecutive month period, with compliance determined at the end of each month; ~~and~~
 - (7) HAP emissions shall not exceed six (6) tons per twelve (12) consecutive month period for any combination of HAPs-; **and**
 - (8) **CO₂e emissions shall not exceed 55,000 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.**

Compliance with these limits, combined with the potential to emit PM10, PM2.5, SO₂,

NO_x, VOC, CO, ~~and~~HAPs, **and CO₂e** from all other emission units at this source, shall limit the source-wide total potential to emit of PM₁₀, PM_{2.5}, SO₂. NO_x, VOC, and CO to less than 100 tons per 12 consecutive month period, each, ~~and~~ any single HAP to emit less than 10 tons per 12 consecutive month period, ~~and~~ any combination of HAPs to emit less than 25 tons per 12 consecutive month period, **CO₂e to less than 100,000 tons per twelve (12) consecutive month period**, and shall render 326 IAC 2-7 (Part 70 Permits), not applicable.

(b) For liquid fuels used in the R&D Burner, the following shall apply:

(1) For all liquid fuels that do not have AP-42 emission factors, emissions shall not exceed the following:

...

(vi) CO emissions shall not exceed five (5) pounds per kilogallon of liquid fuel used; **and**

(vii) CO₂e emissions:

(A) For No. 2 Fuel Oil: CO₂e emissions shall not exceed 22,714 pounds per kilogallon of liquid fuel used.

(B) For No. 5 Fuel Oil, No. 6 Fuel Oil, and all other liquid fuels: CO₂e emissions shall not exceed 24,917 pounds per kilogallon of liquid fuel used.

...

(c) For solid fuels used in the R&D Test Burner, the following shall apply:

(1) For all solid fuels that do not have AP-42 emission factors, emissions shall not exceed the following:

...

(vi) CO emissions shall not exceed five-tenths (0.5) pounds per ton of solid fuel used; **and**

(vii) CO₂e emissions:

(A) For Bituminous Coal: CO₂e emissions shall not exceed 5,173 pounds per ton of solid fuel used.

(B) For Anthracite Coal and all other solid fuels: CO₂e emissions shall not exceed 5,767 pounds per ton of solid fuel used.

...

(d) For gaseous fuels used in the R&D Test Burner, the following shall apply:

(1) For all gaseous fuels, emissions shall not exceed the following:

...

(vi) CO emissions shall not exceed eighty-four (84) pounds per million cubic feet (MMCF) of gaseous fuel used; **and**

(vii) CO₂e emissions:

- (A) For Propane/LPG: CO₂e emissions shall not exceed 13,164 pounds per million cubic feet (MMCF) of gaseous fuel used.**
- (B) For Natural Gas and all other gaseous fuels: CO₂e emissions shall not exceed 120,280 pounds per million cubic feet (MMCF) of gaseous fuel used.**

Compliance with the above limits and the potential SO₂, PM, PM10, PM2.5, VOC, CO, and NO_x, **and CO₂e emissions from the insignificant activities will limit the source wide SO₂, PM, PM10, PM2.5, VOC, CO, and NO_x emissions to less than 100 tons per twelve (12) consecutive month period, each, CO₂e emissions to less than 100,000 tons per twelve (12) consecutive month period**, and will render 326 IAC 2-7 (Part 70) and 326 IAC 2-2 (PSD) not applicable to this source.

...

D.2.3 Compliance Determination, Monitoring, and Testing Requirements

- (a) To document compliance with Condition D.2.1, the Permittee shall use the following equation to calculate emissions from the usage of multiple types of fuel in the R&D Burner:

$$\text{Emissions}_x = \sum L(\text{EF}_L) + \sum G(\text{EF}_G) + \sum S(\text{EF}_S)$$

Where:

- L = usage, in gallons, of each liquid fuel used in the R&D Burner in previous 12 months;
EF_L = Emission Factor for each fuel used in the R&D Burner in previous 12 months;
G = usage, in million cubic feet, of each gaseous fuel used in the R&D Burner in previous 12 months;
EF_G = emission factor for each gaseous fuel used in the R&D Burner in previous 12 months;
S = usage in tons, of each solid fuel used in the R&D Burner in previous 12 months
EF_S = emission factor for each solid fuel used in the R&D Burner in previous 12 months.

Emission Factors:

<u>FUEL</u>	<u>PM</u>	<u>PM10</u>	<u>PM2.5</u>	<u>SO₂</u>	<u>NO_x</u>	<u>VOC</u>	<u>CO</u>	<u>CO₂e</u>
<u>Liquid</u>	(lb/kgal)	(lb/kgal)	(lb/kgal)	(lb/kgal)	(lb/kgal)	(lb/kgal)	(lb/kgal)	(lb/kgal)
No. 2 Fuel Oil	2.0	3.3	3.3	71.0	24.0	0.3	5.0	22,741
No. 5 Fuel Oil	10.0	11.5	11.5	78.5	47.0	0.3	5.0	24,917
No. 6 Fuel Oil	9.19	11.5	11.5	78.5	47.0	0.3	5.0	24,917
Other Liquid*	10.0	11.5	11.5	157S	47.0	0.3	5.0	24,917
<u>Gaseous</u>	(lb/mmcf)	(lb/mmcf)	(lb/mmcf)	(lb/mmcf)	(lb/mmcf)	(lb/mmcf)	(lb/mmcf)	(lb/mmcf)
Natural Gas	1.9	7.6	7.6	0.6	100.0	5.5	84.0	120,280
LPG-Propane	0.6	0.6	0.6	1.5	19.0	0.5	3.2	13,164
Other Gaseous*	(lb/kgal)	(lb/kgal)	(lb/kgal)	(lb/kgal)	(lb/kgal)	(lb/kgal)	(lb/kgal)	(lb/kgal)
	1.9	7.6	7.6	0.6	100.0	5.5	84.0	120,280
<u>Solid</u>	(lb/ton)	(lb/ton)	(lb/ton)	(lb/ton)	(lb/ton)	(lb/ton)	(lb/ton)	(lb/ton)
Bituminous Coal	108.0	24.84	24.84	163.40	11.00	0.06	0.5	5,173
Anthracite Coal	64.0	46.00	12.00	39S	18.00	0.30	0.6	5,767
Other solid*	108.0	46.00	24.84	39S	18.00	0.30	0.6	5,767

* Note: For any alternative fuel for which the source has certified emission factors that are less than the worst-case emission factors in "Other" in the table above, the source may substitute emission factors in the above equation. For SO₂ emissions for "Other" liquid fuels, the factor of 157 shall be multiplied times the % sulfur content by weight to determine SO₂ emissions. For SO₂ emissions for "Other" solid fuels, the factor of 39 shall be multiplied times the % sulfur content by weight to determine SO₂ emissions.

The above equation shall be used for each of the criteria pollutants of PM, PM10, SO2, NOx, VOC, ~~and CO₂~~, and CO₂e.

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

D.2.4 Record Keeping Requirements

- (a) To document the compliance status with Condition D.2.1, the Permittee shall maintain a log of monthly usage of all fuels, using compliance determination methods in accordance with Condition D.2.3.
- (b) To document the compliance status with Condition D.2.1, the Permittee shall maintain a record of all vendor certifications, showing sulfur content of the fuels used.
- (c) Section C - General Record Keeping Requirements of this permit contains the Permittee's obligations with regard to the records required by this condition.

D.2.5 Reporting Requirements

A quarterly summary of the fuel usage to document the compliance status with Conditions D.2.1 and D.2.3 shall be submitted using the reporting forms located at the end of this permit, or their equivalent, no later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. 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).

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

Quarterly Report

Source Name: Maxon Corporation
Source Address: 201 East 18th Street, Muncie, Indiana 47302
FESOP No.: F035-21895-00051
Facility: R&D Test Burner
Parameter: CO₂e emissions
Limit: The CO₂e emissions from the R&D Test Burner shall not exceed 55,000.0 tons per twelve (12) consecutive month period, with compliance determined at the end of each month, using the equation found in Condition D.2.3.

QUARTER: _____

YEAR: _____

Month	Fuel Types (units)	Column 1	Column 2	Column 1 + Column 2	Emission for CO ₂ e	Total CO ₂ e Emissions From All Fuels Used (tons per 12 month consecutive period)
		Usage This Month	Usage Previous 11 Months	Usage 12 Month Total		
Month 1	No. 2 Fuel Oil (gallons)				22,741 lb/kgal	
	No. 5 Fuel Oil (gallons)				24,917 lb/kgal	
	No. 6 Fuel Oil (gallons)				24,917 lb/kgal	
	Other Liquid Fuels (gallons)				24,917 lb/kgal	
	Natural Gas (MMCF)				120,280 lb/MMCF	
	LPG-propane (gallons)				13,164 lb/kgal	
	Other Gaseous Fuels (MMCF)				120,280 lb/MMCF	
	Bituminous Coal (tons)				5,173 lb/ton	
	Anthracite Coal (tons)				5,767 lb/ton	
	Other Solid Fuels (tons)				5,767 lb/ton	
Month 2	No. 2 Fuel Oil (gallons)				22,741 lb/kgal	
	No. 5 Fuel Oil (gallons)				24,917 lb/kgal	
	No. 6 Fuel Oil (gallons)				24,917 lb/kgal	
	Other Liquid Fuels (gallons)				24,917 lb/kgal	
	Natural Gas (MMCF)				120,280 lb/MMCF	
	LPG-propane (gallons)				13,164 lb/kgal	
	Other Gaseous Fuels (MMCF)				120,280 lb/MMCF	
	Bituminous Coal (tons)				5,173 lb/ton	
	Anthracite Coal (tons)				5,767 lb/ton	
	Other Solid Fuels (tons)				5,767 lb/ton	
Month 3	No. 2 Fuel Oil (gallons)				22,741 lb/kgal	
	No. 5 Fuel Oil (gallons)				24,917 lb/kgal	
	No. 6 Fuel Oil (gallons)				24,917 lb/kgal	
	Other Liquid Fuels (gallons)				24,917 lb/kgal	
	Natural Gas (MMCF)				120,280 lb/MMCF	
	LPG-propane (gallons)				13,164 lb/kgal	
	Other Gaseous Fuels (MMCF)				120,280 lb/MMCF	
	Bituminous Coal (tons)				5,173 lb/ton	
	Anthracite Coal (tons)				5,767 lb/ton	
	Other Solid Fuels (tons)				5,767 lb/ton	

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

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

...

Conclusion and Recommendation

Unless otherwise stated, information used in this review was derived from the greenhouse gas reopening request and additional information submitted by the applicant. A greenhouse gas reopening request for the purposes of this review was received on February 14, 2012.

The operation of this proposed revision shall be subject to the conditions of the attached proposed FESOP Significant Permit Revision Greenhouse Gas Reopening No. F035-31490-00051. The staff recommends to the Commissioner that this FESOP Significant Permit Revision Greenhouse Gas Reopening be approved.

IDEM Contact

- (a) Questions regarding this proposed permit can be directed to Sarah Street 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) 232-8427 or toll free at 1-800-451-6027 extension 2-8427.
- (b) A copy of the findings is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>
- (c) For additional information about air permits and how the public and interested parties can participate, refer to the IDEM's Guide for Citizen Participation and Permit Guide on the Internet at: www.in.gov/idem

**Appendix A: Emissions Calculations
Emission Summary**

**Company Name: Maxon Corp.
Address, City IN Zip: 201 East 18th Street, Muncie, IN 47302
Permit Number: F035-31490-00051
Plt ID: 035-00051
Reviewer: Sarah Street
Date: 2/15/2012**

Process/ Emission Units	Unlimited Potential to Emit (tons/yr)									
	PM	PM10/PM2.5	SO2	NOx	VOC	CO	GHGs as CO2e	Worst Single HAP		Total HAP
Spray Booth P-1	1.28	1.28	-	-	4.21	-	-	2.44	Xylene	2.62
Spray Booth P-2	1.92	1.92	-	-	6.65	-	-	2.90	Xylene	3.11
Dip Painting Area	0.86	0.86	-	-	4.98	-	-	0.12	Xylene	0.20
Rust Proof Dipping Area	0.18	0.18	-	-	0.48	-	-	0.08	Xylene	0.13
R&D Burner (Worst Case)*	28.36	32.61	222.62	155.98	4.31	32.46	90,614	0.70	Hexane	0.73
Insignificant Cold Solvent Cleaners	-	-	-	-	0.51	-	-	-	-	-
Insignificant Grinding & Machining	4.51	4.51	-	-	-	-	-	-	-	-
Insignificant Combustion	0.25	1.00	0.08	13.10	0.72	11.00	15,812	0.24	Hexane	0.25
Total PTE	37.36	42.36	222.70	169.08	21.86	43.47	106,427	5.54	Xylene	7.04

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

* Only maximum "Worst Case" emissions from the #1, #2, #5 and #6 fuel oils, coal, natural gas, and propane have been included.

Grinding & Machining PTE from FESOP Second Renewal No. 035-21895-00051, issued 9/14/2007

Process/ Emission Units	Limited Potential to Emit (tons/yr)									
	PM	PM10/PM2.5	SO2	NOx	VOC	CO	GHGs as CO2e	Worst Single HAP		Total HAP
Spray Booth P-1	1.28	1.28	-	-	4.21	-	-	2.44	Xylene	2.62
Spray Booth P-2	1.92	1.92	-	-	6.65	-	-	2.90	Xylene	3.11
Dip Painting Area	0.86	0.86	-	-	4.98	-	-	0.12	Xylene	0.20
Rust Proof Dipping Area	0.18	0.18	-	-	0.48	-	-	0.08	Xylene	0.13
R&D Burner**	25.00	25.00	88.00	70.00	5.00	60.00	55,000	0.70	Hexane	6.00
Insignificant Cold Solvent Cleaners	-	-	-	-	0.51	-	-	-	-	-
Insignificant Grinding & Machining	4.51	4.51	-	-	-	-	-	-	-	-
Insignificant Combustion	0.25	1.00	0.08	13.10	0.72	11.00	15,812	0.24	Hexane	0.25
Total PTE	34.00	34.75	88.08	83.10	22.55	71.00	70,812	5.54	Xylene	12.32

** Reflects all federally enforceable limits outlined in Significant Permit Revision No. F035-31490-00051

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

**Company Name: Maxon Corp.
Address, City IN Zip: 201 East 18th Street, Muncie, IN 47302
Permit Number: F035-31490-00051
Plt ID: 035-00051
Reviewer: Sarah Street
Date: 2/15/2012**

Material	Density (Lb/Gal)	Weight % Volatile (H2O & Organics)	Weight % Water	Weight % Organics	Volume % Water	Volume % Non-Volatiles (solids)	Gal of Mat. (gal/unit)	Maximum (unit/hour)	Pounds VOC per gallon of coating less water	Pounds VOC per gallon of coating	Potential VOC tons per year	Particulate Potential (ton/yr)	Transfer Efficiency
Paint Booth P-1													
Duralux Fast Dry Maxon Yellow Enamel SP-8380	8.8	33.20%	63.4%	33.2%	0.0%	0.00%	0.00100	40.000	2.91	2.91	0.51	0.51	50%
Green Fast Dry Enamel Sp-8004	8.4	59.60%	0.0%	59.6%	0.0%	0.00%	0.00020	40.000	5.02	5.02	0.18	0.06	50%
Fast Dry Enamel-Gray seal SP-7950	8.2	61.50%	0.0%	61.5%	0.0%	0.00%	0.00200	40.000	5.02	5.02	1.76	0.55	50%
Red Epoxy Ester Air dry Enamel Sp-8182	8.2	59.00%	0.0%	59.0%	0.0%	0.00%	0.00020	40.000	4.82	4.82	0.17	0.06	50%
Sheffield Red hot Aluminium	7.5	71.90%	0.0%	71.9%	0.0%	0.00%	0.00020	40.000	5.36	5.36	0.19	0.04	50%
PPG Satin Black Solvent Blend S-0070 Lacquer Thinner	8.3	57.00%	0.0%	57.0%	0.0%	0.00%	0.00020	40.000	4.71	4.71	0.16	0.06	50%
	7.1	100.00%	0.0%	100.0%	0.0%	0.00%	0.00100	40.000	7.07	7.07	1.24	0.00	50%
Subtotal											4.21	1.28	
Paint Booth P-2													
Duralux Fast Dry Maxon Yellow Enamel SP-8380	8.8	33.20%	63.4%	33.2%	0.0%	0.00%	0.00100	60.000	2.91	2.91	0.76	0.77	50%
Green Fast Dry Enamel Sp-8004	8.4	59.60%	0.0%	59.6%	0.0%	0.00%	0.00020	60.000	5.02	5.02	0.26	0.09	50%
Fast Dry Enamel-Gray seal SP-7950	8.2	61.50%	0.0%	61.5%	0.0%	0.00%	0.00200	60.000	5.02	5.02	2.64	0.83	50%
Red Epoxy Ester Air dry Enamel Sp-8182	8.2	59.00%	0.0%	59.0%	0.0%	0.00%	0.00020	60.000	4.82	4.82	0.25	0.09	50%
Sheffield Red hot Aluminium	7.5	71.90%	0.0%	71.9%	0.0%	0.00%	0.00020	60.000	5.36	5.36	0.28	0.06	50%
PPG Satin Black Solvent Blend S-0070 Lacquer Thinner	8.3	57.00%	0.0%	57.0%	0.0%	0.00%	0.00020	60.000	4.71	4.71	0.25	0.09	50%
	7.1	100.00%	0.0%	100.0%	0.0%	0.00%	0.00100	11.000	7.07	7.07	0.34	0.00	50%
	7.1	100.00%	0.0%	100.0%	0.0%	0.00%	0.00100	60.000	7.07	7.07	1.86	0.00	50%
Subtotal											6.65	1.92	
Dip Painting Area													
Gray Fast Dry Primer	10.3	36.72%	0.0%	36.7%	0.0%	47.80%	0.00300	100.000	3.79	3.79	4.98	0.86	90%
Rust Proof Painting Rust Prevention													
Dri-Touch plus IRP3 Rust Prevention	6.7	80.00%	0.0%	5.4%	0.0%	20.00%	0.00300	100.000	0.36	0.36	0.48	0.18	90%

Total Potential Emissions: **16.31** **4.24**

METHODOLOGY

Pounds of VOC per Gallon Coating less Water = (Density (lb/gal) * Weight % Organics) / (1-Volume % water)

Pounds of VOC per Gallon Coating = (Density (lb/gal) * Weight % Organics)

Potential VOC Tons per Year = Pounds of VOC per Gallon coating (lb/gal) * Gal of Material (gal/unit) * Maximum (units/hr) * (8760 hr/yr) * (1 ton/2000 lbs)

Particulate Potential Tons per Year = (units/hour) * (gal/unit) * (lbs/gal) * (1- Weight % Volatiles) * (1-Transfer efficiency) *(8760 hrs/yr) *(1 ton/2000 lbs)

Appendix A: Emissions Calculations

HAPs Emissions

From Surface Coating operation

Company Name: Maxon Corp.
Address, City IN Zip: 201 East 18th Street, Muncie, IN 47302
Permit Number: F035-31490-00051
Plt ID: 035-00051
Reviewer: Sarah Street
Date: 2/15/2012

Material	Density (Lb/Gal)	Gallons of Material (gal/unit)	Maximum (unit/hour)	Weight % Ethyl benzene	Weight % Toluene	Weight % Xylene	Ethyl benzene Emissions (ton/yr)	Toluene Emissions (ton/yr)	Xylene Emissions (ton/yr)
Paint Booth P-1									
Duralux Fast Dry Maxon Yellow Enamel SP-8380	8.78	0.001000	40.00	0.00%	0.00%	29.00%	0.00	0.00	0.45
Green Fast Dry Enamel Sp-8004	8.42	0.000200	40.00	0.00%	0.00%	40.00%	0.00	0.00	0.12
Fast Dry Enamel- Gray seal SP-7950	8.17	0.002000	40.00	3.92%	0.00%	57.00%	0.11	0.00	1.63
Red Epoxy Ester Air dry Enamel Sp-8182	8.17	0.000200	40.00	3.87%	0.00%	54.00%	0.01	0.00	0.15
Sheffield Red hot Aluminium	7.45	0.000200	40.00	0.00%	12.60%	0.00%	0.00	0.03	0.00
PPG Satin Black	8.26	0.000200	40.00	6.96%	0.00%	32.00%	0.02	0.00	0.09
Solvent Blend S-0070 Lacquer Thinner	7.07	0.001000	40.00	0.00%	0.00%	0.00%	0.00	0.00	0.00
Subtotal							0.14	0.03	2.44
Paint Booth P-2									
Duralux Fast Dry Maxon Yellow Enamel SP-8380	8.78	0.001000	60.00	0.00%	0.00%	29.00%	0.00	0.00	0.13
Green Fast Dry Enamel Sp-8004	8.42	0.000200	60.00	0.00%	0.00%	40.00%	0.00	0.00	1.72
Fast Dry Enamel- Gray seal SP-7950	8.17	0.002000	60.00	3.92%	0.00%	57.00%	0.02	0.00	0.24
Red Epoxy Ester Air dry Enamel Sp-8182	8.17	0.000200	60.00	3.87%	0.00%	54.00%	0.02	0.00	0.21
Sheffield Red hot Aluminium	7.45	0.000200	60.00	0.00%	12.60%	0.00%	0.00	0.05	0.00
PPG Satin Black	8.26	0.000200	60.00	6.96%	0.00%	32.00%	0.13	0.00	0.59
Solvent Blend S-0070 Lacquer Thinner	7.07	0.001000	60.00	0.00%	0.00%	0.00%	0.00	0.00	0.00
Subtotal							0.16	0.05	2.90
Dip painting Area									
Gray fast Dry Primer	10.32	0.003000	100.00	0.60%	0.00%	0.90%	0.08	0.00	0.12
Rust Proof Painting Area									
Dri-Touch plus IRP3 Rust Prevention	6.72	0.00300	100.00	0.60%	0.00%	0.90%	0.05	0.00	0.08

Total Potential Emissions:

0.44	0.09	5.54
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METHODOLOGY

HAPS emission rate (tons/yr) = Density (lb/gal) * Gal of Material (gal/unit) * Maximum (unit/hr) * Weight % HAP * 4.38

Appendix A: Emissions Calculations

R&D Burner

Summary of all Fuel Types

Company Name: Maxon Corp.
Address, City IN Zip: 201 East 18th Street, Muncie, IN 47302
Permit Number: F035-31490-00051
Pit ID: 035-00051
Reviewer: Sarah Street
Date: 2/15/2012

PTE of R&D Burner

Fuel	PM	PM10	PM2.5	SO2	NOx	VOC	CO	GHGs as CO2e	Worst Single HAP		Total HAP
Natural Gas	0.73	2.94	2.94	0.23	38.65	2.13	32.46	46,123	6.96E-01	Hexane	0.7293
No. 1 & 2 Fuel Oil	5.63	6.70	6.00	199.92	56.31	0.96	14.08	64,492	5.91E-03	Selenium	0.0193
No. 5 & 6 Fuel Oil	28.36	21.84	10.78	222.62	155.98	3.20	14.18	65,483	-	-	-
LPG Propane	0.86	3.02	3.02	6.46	56.01	4.31	32.31	56,405	-	-	-
Anthracite Coal	0.11	0.02	0.02	0.16	0.01	0.00	0.00	90,614	1.20E-03	HCL	0.0014
Bituminous Coal	0.06	0.05	0.01	0.17	0.02	0.00	0.00	81,802	1.20E-03	HCL	0.0014

PTE Worst Case: 28.36 21.84 10.78 222.62 155.98 4.31 32.46 90,614 0.70 Hexane 0.73

Appendix A: Emissions Calculations

R&D Burner

Natural Gas Combustion Only

MM BTU/HR <100

Company Name: Maxon Corp.

Address, City IN Zip: 201 East 18th Street, Muncie, IN 47302

Permit Number: F035-31490-00051

Plt ID: 035-00051

Reviewer: Sarah Street

Date: 2/15/2012

Heat Input Capacity MMBtu/hr	HHV mmBtu mmscf	Potential Throughput MMCF/yr
90.0	1020	772.9

Emission Factor in lb/MMCF	Pollutant						
	PM*	PM10*	direct PM2.5*	SO2	NOx	VOC	CO
	1.9	7.6	7.6	0.6	100 **see below	5.5	84
Potential Emission in tons/yr	0.7	2.9	2.9	0.2	38.6	2.1	32.5

*PM emission factor is filterable PM only. PM10 emission factor is filterable and condensable PM10 combined.

PM2.5 emission factor is filterable and condensable PM2.5 combined.

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

Methodology

All emission factors are based on normal firing.

MMBtu = 1,000,000 Btu

MMCF = 1,000,000 Cubic Feet of Gas

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

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

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

See following page for HAPs emissions calculations.

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

Company Name: Maxon Corp.
Address, City IN Zip: 201 East 18th Street, Muncie, IN 47302
Permit Number: F035-31490-00051
Plt ID: 035-00051
Reviewer: Sarah Street
Date: 2/15/2012

	HAPs - Organics				
Emission Factor in lb/MMcf	Benzene 2.1E-03	Dichlorobenzene 1.2E-03	Formaldehyde 7.5E-02	Hexane 1.8E+00	Toluene 3.4E-03
Potential Emission in tons/yr	8.116E-04	4.638E-04	2.899E-02	6.956E-01	1.314E-03

	HAPs - Metals				
Emission Factor in lb/MMcf	Lead 5.0E-04	Cadmium 1.1E-03	Chromium 1.4E-03	Manganese 3.8E-04	Nickel 2.1E-03
Potential Emission in tons/yr	1.932E-04	4.251E-04	5.411E-04	1.469E-04	8.116E-04

Methodology is the same as previous page.

The five highest organic and metal HAPs emission factors are provided above.

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

See following "GHG Emissions Calculations" page for Greenhouse Gas calculations from natural gas

Appendix A: Emissions Calculations

R&D Burner (< 100 mmBtu/hr)

#1 and #2 Fuel Oil

Company Name: Maxon Corp.

Address, City IN Zip: 201 East 18th Street, Muncie, IN 47302

Permit Number: F035-31490-00051

Plt ID: 035-00051

Reviewer: Sarah Street

Date: 2/15/2012

Heat Input Capacity
MMBtu/hr

Potential Throughput
kgals/year

S = Weight % Sulfur

0.5

90

5631.428571

	Pollutant						
Emission Factor in lb/kgal	PM*	PM10	direct PM2.5	SO2 71 (142.0S)	NOx 20.0	VOC 0.34	CO 5.0
Potential Emission in tons/yr	5.6	6.7	6.0	199.9	56.3	1.0	14.1

Methodology

1 gallon of No. 2 Fuel Oil has a heating value of 140,000 Btu

Potential Throughput (kgals/year) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1kgal per 1000 gallon x 1 gal per 0.140 MM Btu

Emission Factors are from AP 42, Tables 1.3-1, 1.3-2, and 1.3-3 (SCC 1-03-005-01/02/03) Supplement E 9/98 (see erata file)

*PM emission factor is filterable PM only. Condensable PM emission factor is 1.3 lb/kgal.

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

See following page for HAPs emission calculations.

Appendix A: Emissions Calculations

R&D Burner (< 100 mmBtu/hr)

#1 and #2 Fuel Oil

HAPs Emissions

Company Name: Maxon Corp.

Address, City IN Zip: 201 East 18th Street, Muncie, IN 47302

Permit Number: F035-31490-00051

Plt ID: 035-00051

Reviewer: Sarah Street

Date: 2/15/2012

HAPs - Metals					
Emission Factor in lb/mmBtu	Arsenic 4.0E-06	Beryllium 3.0E-06	Cadmium 3.0E-06	Chromium 3.0E-06	Lead 9.0E-06
Potential Emission in tons/yr	1.58E-03	1.18E-03	1.18E-03	1.18E-03	3.55E-03

HAPs - Metals (continued)				
Emission Factor in lb/mmBtu	Mercury 3.0E-06	Manganese 6.0E-06	Nickel 3.0E-06	Selenium 1.5E-05
Potential Emission in tons/yr	1.18E-03	2.37E-03	1.18E-03	5.91E-03

Methodology

No data was available in AP-42 for organic HAPs.

Potential Emissions (tons/year) = Throughput (mmBtu/hr)*Emission Factor (lb/mmBtu)*8,760 hrs/yr / 2,000 lb/ton

See following "GHG Emissions Calculations" page for Greenhouse Gas calculations from #1 and #2 Fuel Oil

Appendix A: Emission Calculations

R&D Burner

LPG-Propane

(Heat input capacity: > 10 MMBtu/hr and < 100 MMBtu/hr)

Company Name: Maxon Corp.

Address, City IN Zip: 201 East 18th Street, Muncie, IN 47302

Permit Number: F035-31490-00051

Pit ID: 035-00051

Reviewer: Sarah Street

Date: 2/15/2012

Heat Input Capacity
MMBtu/hr

Potential Throughput
kgals/year

SO2 Emission factor = 0.10 x S

S = Sulfur Content = 15.00 grains/100ft³

90.00

8616.39

Pollutant							
Emission Factor in lb/kgal	PM* 0.2	PM10* 0.7	direct PM2.5** 0.7	SO2 1.5 (0.10S)	NOx 13.0	VOC 1.0 **TOC value	CO 7.5
Potential Emission in tons/yr	0.9	3.0	3.0	6.5	56.0	4.3	32.3

*PM emission factor is filterable PM only. PM emissions are stated to be all less than 10 microns in aerodynamic equivalent diameter, footnote in Table 1.5-1, therefore PM10 is based on the filterable and condensable PM emission factors.

** No direct PM2.5 emission factor was given. Direct PM2.5 is a subset of PM10. If one assumes all PM10 to be all direct PM2.5, then a worst case assumption of direct PM2.5 can be made.

**The VOC value given is TOC. The methane emission factor is 0.2 lb/kgal.

Methodology

1 gallon of LPG has a heating value of 94,000 Btu

1 gallon of propane has a heating value of 91,500 Btu (use this to convert emission factors to an energy basis for propane)

(Source - AP-42 (Supplement B 10/96) page 1.5-1)

Potential Throughput (kgals/year) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1kgal per 1000 gallon x 1 gal per 0.0915 MMBtu

Emission Factors are from AP42 (7/08), Table 1.5-1 (SCC #1-02-010-02)

Propane Emission Factors shown. Please see AP-42 for butane.

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

See following "GHG Emissions Calculations" page for Greenhouse Gas calculations from LPG-Propane

Appendix A: Emissions Calculations
Coal - R&D Burner
(Heat input capacity: > 10 MMBtu/hr and < 100 MMBtu/hr)

Company Name: Maxon Corp.
Address, City IN Zip: 201 East 18th Street, Muncie, IN 47302
Permit Number: F035-31490-00051
Plt ID: 035-00051
Reviewer: Sarah Street
Date: 2/15/2012

Heat Input Capacity MMBtu/hr	Potential Throughput tons/year	S = Weight % Sulfur <input type="text" value="4.3"/>
<input type="text" value="0.0047"/>	2.00	A = Weight % Ash <input type="text" value="10.8"/>

Anthracite Coal Emission Factor in lb/ton	Pollutant							HAPs	
	PM*	PM10	PM2.5	SO2	Nox	VOC	CO	HCL	HF
	108.0 (10.0A)	24.84 (2.3A)	24.84 (2.3A)	163.40 (38.0S)	11.00 Low NOX	0.06	0.5	1.2	0.15
Bituminous Coal Emission Factor in lb/ton	PM*	PM10	PM2.5	SO2	Nox	VOC	CO	HCL	HF
	64	46	12	167.7 (39S)	18	0.3	0.6	1.2	0.15
Potential Emission in tons/yr									
Anthracite Coal	0.1080	0.0248	0.0248	0.1634	0.0110	0.0001	0.0005	0.0012	0.0002
Bituminous Coal	0.0640	0.0460	0.0120	0.1677	0.0180	0.0003	0.0006	0.0012	0.0002

*PM emission factor is filterable PM only. Condensable PM emission factor is 2.3 lb/ton.

Factors in parentheses should be used to estimate gaseous SOx emissions for

bituminous coal. In all cases, S is weight % sulfur content of coal as fired. Emission factor would be calculated by multiplying the weight percent sulfur in the coal by the numerical value preceding S

Emission Factors are from AP 42, chapter 1.1, Bituminous and sub-bituminous coal combustion. Factors are base on burners used in a dry bottom, wall fired bituminous coal - Pre NSPS with low NOX burner configuration.

Tables 1.1-3 for Sox, Nox, and Co, 1.1-4 for PM and PM10, (SCC 1-01-002-02/02/22) Supplement E 9/98 (see erata file)

Heat input capacity of coal = 10,300Btu/lb

Methodology

Potential Throughput (tons/year) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1ton of coal/2000lbs*1/0.0103 MMBtu

See following "GHG Emissions Calculations" page for Greenhouse Gas calculations from Coal

**GHG Emissions Calculations
R&D Burner Combustion Calculations for Fuel Types**

**Company Name: Maxon Corp.
Address, City IN Zip: 201 East 18th Street, Muncie, IN 47302
Permit Number: F035-31490-00051
Plt ID: 035-00051
Reviewer: Sarah Street
Date: 2/15/2012**

Factors from Tables C-1 and C-2 of Reporting Rule

Fuel		Kg CO2/MMBtu	Kg CH4/MMBTU	Kg NO2/MMBtu
Natural gas	1,028 BTU/CF	53.02	0.001	0.0001
Propane/LPG	92,000 BTU/gal	62.98	0.003	0.006
No.1 & 2 Fuel Oil	139,000 BTU/gal	73.96	0.003	0.0006
No. 5 & 6 Fuel Oil	150,000 BTU/gal	75.1	0.003	0.0006
Anthracite Coal	25.09 MMBtu/ton	103.54	0.011	0.0016
Bituminous Coal	24.93 MMBtu/ton	93.4	0.011	0.0016

Converted Emission Factors 1 Kg = 2.20462 lbs

Fuel	1		21		310		Unit
	CO2		CH4		N2O		
	lbs/MMBtu	lbs/Unit	lbs/MMBtu	lbs/Unit	lbs/MMBtu	lbs/Unit	
Natural gas	116.9	120,162	0.0022	2.27	0.00022	0.2266	MMCF
Propane/LPG	138.8	12,774	0.0066	0.61	0.01323	1.2170	Kgal
No.1 & 2 Fuel Oil	163.1	22,664	0.0066	0.92	0.00132	0.1839	Kgal
No. 5 & 6 Fuel Oil	165.6	24,835	0.0066	0.99	0.00132	0.1984	Kgal
Anthracite Coal	228.3	5,727	0.0243	0.61	0.00353	0.0885	Ton
Bituminous Coal	205.9	5,133	0.0243	0.60	0.00353	0.0879	Ton

90 MMBTU/hr Burner

Fuel	PTE, tons/year				CO2e Emission Factors
	CO2	CH4	N2O	CO2e	
Natural gas	46,078	0.87	0.09	46,123	120,280 lb/MMCF
Propane/LPG	54,733	2.61	5.21	56,405	13,164 lb/Kgal
No.1 & 2 Fuel Oil	64,276	2.61	0.52	64,492	22,741 lb/Kgal
No. 5 & 6 Fuel Oil	65,266	2.61	0.52	65,483	24,917 lb/Kgal
Anthracite Coal	89,983	9.56	1.39	90,614	5,767 lb/Ton
Bituminous Coal	81,170	9.56	1.39	81,802	5,173 lb/Ton

Methodology

The above emission calculations were submitted by the source with the FESOP SPR GHG Reopening application, submitted 2/14/2012, and verified by IDEM OAQ

Emission Factors Sources: 40 CFR Part 98, Subpart C—General Stationary Fuel Combustion Sources

Table C-1 of Subpart C—Default CO2 Emission Factors and HighHeat Values for Various Types of Fuel

Table C-2 of Subpart C—Default CH4 and N2O Emission Factors for Various Types of Fuel.

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

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

Converted Emission Factor (lbs/MMBtu) = kg pollutant/MMBTU * 2.20462 lb/kg

Converted Emission Factor (lbs/Unit) = Converted Emission Factor (lbs/MMBtu) * MMBTU/(unit)

units by fuel type: MMCF (Natural gas), Kgal (Propane/LPG, #1 and #2 Fuel Oil, #5 and #6 Fuel Oil), and tons (Coal)

Emission (tons/yr) = Heat Input Capacity (90 MMBTU/hr) x Emission Factor (lb/MMBtu) * 8760 hour/yr / 2000 lb/ton

CO2e Emission Factors = CO2 Converted EF x CO2 GWP (1) + CH4 Converted EF x CH4 GWP (21) + N2O Converted EF x N2O GWP (310).

Appendix A: Emission Calculations
LPG-Propane, Natural Gas, Fuel oil #2, Bituminous coal, Fuel oil #5 and #6 Equivalencies

Company Name: Maxon Corp.
Address, City IN Zip: 201 East 18th Street, Muncie, IN 47302
Permit Number: F035-31490-00051
Pit ID: 035-00051
Reviewer: Sarah Street
Date: 2/15/2012

The following fuel equivalencies are from Significant Permit Revision No. 035-28855-00051, issued 7/15/2010

Fuel oil #2

5631.4 Kgal of fuel oil #2 will produce 199.9 tons of SO₂

Therefore, 1 Kgal of fuel oil #2 will produce 0.035 tons of SO₂

To determine 0.035 tons of SO₂ in Fuel #5 and #6

5671.94 Kgal of Fuel oil # 5 and #6 will produce 222.6 tons of SO₂

0.035 tons of SO₂ will be produced by $(5671.94 \text{ Kgal of fuel oil \#5 and \#6} / 222.6 \text{ tons of SO}_2) \times 0.035 \text{ tons of SO}_2 \text{ of fuel \#5 and \#6} = 0.902 \text{ Kgal of fuel oil \#5 and \#6}$

Therefore, 1 Kgal of fuel oil # 2 will be equivalent to 0.902 kgal of fuel #5 and #6

To determine 0.035 tons of SO₂ in LPG-Propane

8616.39 Kgal LPG-Propane will produce 6.46 tons of SO₂

0.035 tons of SO₂ will be produced by $(8616.39 \text{ Kgal LPG-Propane} / 6.46 \text{ tons of SO}_2) \times 0.035 \text{ tons of SO}_2 \text{ LPG-Propane} = 46.7 \text{ Kgal of LPG-Propane}$

Therefore, 1Kgal of LPG-propane will be equivalent to 0.019 Kgal of fuel oil #5 and #6

To determine 0.035 tons of SO₂ in Natural Gas

788.6 MMCF will produce 0.2 tons of SO₂

0.035 tons of SO₂ will be produced by $(788.6 \text{ MMCF of natural gas} / 0.2 \text{ tons of SO}_2) \times 0.035 \text{ tons of SO}_2 \text{ natural gas} = 138 \text{ MMCF of natural Gas}$

Therefore, 1million cubic feet of natural gas will be equivalent to 0.0065Kgal of fuel oil #5 and #6

To determine 0.035 tons of SO₂ in coal

Two tons of coal will produce 0.163 tons of SO₂

0.035 tons of SO₂ will be produced by $(2 \text{ tons of coal} / 0.163 \text{ of SO}_2) \times 0.035 \text{ tons of SO}_2 \text{ coal} = 0.428 \text{ tons of coal}$

Therefore, 1 ton of coal will be equivalent to 2.11 Kgal of fuel oil #5 and #6

**Appendix A: Emissions Calculations
Cold Solvent Cleaning Operations**

Company Name: Maxon Corp.
Address, City IN Zip: 201 East 18th Street, Muncie, IN 47302
Permit Number: F035-31490-00051
Plt ID: 035-00051
Reviewer: Sarah Street
Date: 2/15/2012

Type of Operation and Solvent used	VOC content of Solvent (lbs/gal)	Maximum Annual Usage ** (gal/year)	PTE for VOC (tons/year)
Cold Cleaner Degreasing* Solvent Blend S-0070 Lacquer Thinner and Safety Kleen - combined	7.1	145.0	0.51
<i>*Solvents used do not contain HAPs</i>		Total	0.51

Methodology :

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

PTE = VOC Content (lbs/gal) * Max. Amount of Solvent used (gal/year) * 1 ton/2000 lbs

Appendix A: Emissions Calculations

Natural Gas Combustion Only

MM BTU/HR <100

Company Name: Maxon Corp.
Address, City IN Zip: 201 East 18th Street, Muncie, IN 47302
Permit Number: F035-31490-00051
Plt ID: 035-00051
Reviewer: Sarah Street
Date: 2/15/2012

Heat Input Capacity MMBtu/hr	HHV mmBtu mmscf	Potential Throughput MMCF/yr
30.5	1020	261.9

	Pollutant						
Emission Factor in lb/MMCF	PM* 1.9	PM10* 7.6	direct PM2.5* 7.6	SO2 0.6	NOx 100 **see below	VOC 5.5	CO 84
Potential Emission in tons/yr	0.2	1.0	1.0	0.1	13.1	0.7	11.0

*PM emission factor is filterable PM only. PM10 emission factor is filterable and condensable PM10 combined.

PM2.5 emission factor is filterable and condensable PM2.5 combined.

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

Methodology

All emission factors are based on normal firing.

MMBtu = 1,000,000 Btu

MMCF = 1,000,000 Cubic Feet of Gas

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

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

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

See following page for HAPs emissions calculations.

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

Company Name: Maxon Corp.
Address, City IN Zip: 201 East 18th Street, Muncie, IN 47302
Permit Number: F035-31490-00051
Plt ID: 035-00051
Reviewer: Sarah Street
Date: 2/15/2012

HAPs - Organics					
Emission Factor in lb/MMcf	Benzene 2.1E-03	Dichlorobenzene 1.2E-03	Formaldehyde 7.5E-02	Hexane 1.8E+00	Toluene 3.4E-03
Potential Emission in tons/yr	2.750E-04	1.572E-04	9.823E-03	2.357E-01	4.453E-04

HAPs - Metals					
Emission Factor in lb/MMcf	Lead 5.0E-04	Cadmium 1.1E-03	Chromium 1.4E-03	Manganese 3.8E-04	Nickel 2.1E-03
Potential Emission in tons/yr	6.549E-05	1.441E-04	1.834E-04	4.977E-05	2.750E-04

Methodology is the same as previous page.

The five highest organic and metal HAPs emission factors are provided above.
 Additional HAPs emission factors are available in AP-42, Chapter 1.4.
 See following page for Greenhouse Gas calculations.

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

Company Name: Maxon Corp.
Address, City IN Zip: 201 East 18th Street, Muncie, IN 47302
Permit Number: F035-31490-00051
Plt ID: 035-00051
Reviewer: Sarah Street
Date: 2/15/2012

	Greenhouse Gas		
	CO2	CH4	N2O
Emission Factor in lb/MMcf	120,000	2.3	2.2
Potential Emission in tons/yr	15,716	0.3	0.3
Summed Potential Emissions in tons/yr	15,717		
CO2e Total in tons/yr	15,812		

Methodology

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



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
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: Steven E. Alles
Maxon Corporation
201 E. 18th Street
Muncie, IN 47302

DATE: April 17, 2012

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

SUBJECT: Final Decision
First Significant Permit Revision GHG Reopening
035-31490-00051

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:
Peter Wenninger, Responsible Official
Don Robin, ERM Consultant
Tom Rarick, ERM Consultant
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



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
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(317) 232-8603
Toll Free (800) 451-6027
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April 17, 2012

TO: Muncie Public Library

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

Subject: **Important Information for Display Regarding a Final Determination**

Applicant Name: Maxon Corporation
Permit Number: 035-31490-00051

You previously received information to make available to the public during the public comment period of a draft permit. Enclosed is a copy of the final decision and supporting materials for the same project. Please place the enclosed information along with the information you previously received. To ensure that your patrons have ample opportunity to review the enclosed permit, **we ask that you retain this document for at least 60 days.**

The applicant is responsible for placing a copy of the application in your library. If the permit application is not on file, or if you have any questions concerning this public review process, please contact Joanne Smiddie-Brush, OAQ Permits Administration Section at 1-800-451-6027, extension 3-0185.

Enclosures
Final Library.dot 11/30/07

Mail Code 61-53

IDEM Staff	PWAY 4/17/2012 Maxon Corp 035-31490-00051 (final)		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		Steven E Alles Maxon Corp 201 E 18th St Muncie IN 47302 (Source CAATS)										
2		Peter Wenninger Dir- Ops Maxon Corp 201 E 18th St Muncie IN 47302 (RO CAATS)										
3		Muncie City Council and Mayors Office 300 N. High St Muncie IN 47305 (Local Official)										
4		Delaware County Health Department 200 W Main St, County Bldg Room 207-309 Muncie IN 47305-2874 (Health Department)										
5		Delaware County Commissioners 100 West Main Street Muncie IN 47305 (Local Official)										
6		Tom Rarick Environmental Resources Management (ERM) 11350 N Meridian Suite 320 Carmel IN 46032 (Consultant)										
7		Don Robin Environmental Resources Management (ERM) 11350 N. Meridian, Ste 320 Carmel IN 46032 (Consultant)										
8		Muncie Public Library 1808 South Madison Street Muncie IN 47302 (Library)										
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