INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We make Indiana a cleaner, healthier place to live.

Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

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

TO: Interested Parties / Applicant

DATE: December 6, 2006

RE: ArvinMeritor, Inc. / 005-17570-00080

FROM: Nisha Sizemore
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, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

If you wish to challenge this decision, IC 4-21.5-3-7 and IC 13-15-6-1(b) or IC 13-15-6-1(a) 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, Room 1049, Indianapolis, IN 46204.

For an **initial Title V Operating Permit**, a petition for administrative review must be submitted to the Office of Environmental Adjudication within **thirty (30)** days from the receipt of this notice provided under IC 13-15-5-3, pursuant to IC 13-15-6-1(b).

For a **Title V Operating Permit renewal**, a petition for administrative review must be submitted to the Office of Environmental Adjudication within **fifteen (15)** days from the receipt of this notice provided under IC 13-15-5-3, pursuant to IC 13-15-6-1(a).

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.

Pursuant to 326 IAC 2-7-18(d), any person may petition the U.S. EPA to object to the issuance of an initial Title V operating permit, permit renewal, or modification within sixty (60) days of the end of the forty-five (45) day EPA review period. Such an objection must be based only on issues that were raised with reasonable specificity during the public comment period, unless the petitioner demonstrates that it was impractible to raise such issues, or if the grounds for such objection arose after the comment period.

To petition the U.S. EPA to object to the issuance of a Title V operating permit, contact:

U.S. Environmental Protection Agency
401 M Street
Washington, D.C. 20406

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
FNTVOP.dot 03/23/06

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100 North Senate Avenue
Indianapolis, Indiana 46204-2251
(317) 232-8603
(800) 451-6027
www.IN.gov/idem

NEW SOURCE CONSTRUCTION AND PART 70 OPERATING PERMIT RENEWAL
OFFICE OF AIR QUALITY

ArvinMeritor, Inc. Technical Center
950 West 450 South
Walesboro, Indiana 47201

(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. Noncompliance with any provision of this permit, except any provision specifically designated as not federally enforceable, constitutes a violation of the Clean Air Act. 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 2-7 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.

Operation Permit No.: T 005-17570-00080	
Issued by: Original signed by Nisha Sizemore, Chief Permits Branch Office of Air Quality	Issuance Date: December 6, 2006 Expiration Date:December 6, 2011

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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 2-7-4(c)][326 IAC 2-7-5(15)][326 IAC 2-7-1(22)]

The Permittee owns and operates a stationary engine testing source.

Responsible Official:	Vice President Eng. Tech.
Source Address:	950 West 450 South, Walesboro, Indiana 47201
Mailing Address:	950 West 450 South, Walesboro, Indiana 47201
General Source Phone Number:	(812) - 341 - 2238
SIC Code:	8374
County Location:	Bartholomew
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Permit Program Major Source, under PSD Minor Source, Section 112 of the Clean Air Act

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)][326 IAC 2-7-5(15)]

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

(a) Six (6) exhaust system test cells with gasoline engines, and/or natural gas-fired engines, (with or without catalytic converters), and/or diesel fuel engines, identified as C-1 through C-6, installed in August 1978, exhausting to Stacks SC-1 through SC-6, capacity: 84 gallons of gasoline or diesel fuel per hour, total, or 1,224 cubic feet of natural gas per hour.

(b) Three (3) exhaust system test cells with gasoline engines (with or without catalytic converters) and/or diesel fuel engines, identified as C-7 through C-9, installed in May 1993, exhausting to Stacks SC-7 through SC-9, capacity: 42 gallons of gasoline or diesel fuel per hour, total.

(c) One (1) exhaust system test cell with gasoline engines (with or without catalytic converters) and/or diesel fuel engines, or natural gas-fired exhaust simulator, identified as C-10, installed in 1998 and modified in 2001, exhausting to Stack SC-10, capacity: 14 gallons of gasoline or diesel fuel per hour, or 800 cubic feet of natural gas per hour.

A.3 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)][326 IAC 2-7-4(c)][326 IAC 2-7-5(15)]

This stationary source also includes the following insignificant activities which are specifically regulated, as defined in 326 IAC 2-7-1(21):

(a) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6. [326 IAC 8-3-2] [326 IAC 8-3-5]

(b) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour including four (4) natural gas-fired boilers, installed in 1978, rated at 4.0 million British thermal units per hour. [326 IAC 6-2-3]

A.4 Part 70 Permit Applicability [326 IAC 2-7-2]

This stationary source is required to have a Part 70 permit by 326 IAC 2-7-2 (Applicability) because:

(a) It is a major source, as defined in 326 IAC 2-7-1(22);

(b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).

SECTION B GENERAL CONDITIONS

B.1 Definitions [326 IAC 2-7-1]

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 2-7-5(2)][326 IAC 2-1.1-9.5][326 IAC 2-7-4(a)(1)(D)][IC 13-15-3-6(a)]

(a) This permit, T 005-17570-00080, 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, including any permit shield provided in 326 IAC 2-7-15, 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 2-7-7]

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 2-7-5(5)]

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 2-7-5(6)(D)]

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

B.7 Duty to Provide Information [326 IAC 2-7-5(6)(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. The submittal by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34). 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 2-7-4(f)][326 IAC 2-7-6(1)][326 IAC 2-7-5(3)(C)]

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

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

(c) The "responsible official" is defined at 326 IAC 2-7-1(34).

B.9 Annual Compliance Certification [326 IAC 2-7-6(5)]

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

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Air Enforcement Branch - Indiana (AE-17J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

(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 2-7-5(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 the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

B.10 Preventive Maintenance Plan [326 IAC 2-7-5(1),(3) and (13)][326 IAC 2-7-6(1) and (6)][326 IAC 1-6-3]

(a) If required by specific condition(s) in Section D of this permit, the Permittee shall maintain and implement Preventive Maintenance Plans (PMPs) including the following information on each facility:

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

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

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

(b) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMPs do not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

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

B.11 Emergency Provisions [326 IAC 2-7-16]

(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.

(b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a 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, and Northwest Regional Office within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section), or
Telephone Number: 317-233-0178 (ask for Compliance Section)
Facsimile Number: 317-233-6865
Northwest Regional Office phone: (219) 757-0265; fax: (219) 757-0267.

(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 Branch, Office of Air Quality
100 North Senate Avenue
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 2-7-5(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 the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(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 2-7-4(c)(9) 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 2-7 and any other applicable rules.

(g) 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.

(h) The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.

B.12 Permit Shield [326 IAC 2-7-15][326 IAC 2-7-20][326 IAC 2-7-12]

(a) Pursuant to 326 IAC 2-7-15, the Permittee has been granted a permit shield. The permit shield provides that compliance with the conditions of this permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that either the applicable requirements are included and specifically identified in this permit or the

permit contains an explicit determination or concise summary of a determination that other specifically identified requirements are not applicable. The Indiana statutes from IC 13 and rules from 326 IAC, referenced 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 Part 70 permit under 326 IAC 2-7 or for applicable requirements for which a permit shield has been granted.

This permit shield does not extend to applicable requirements which are promulgated after the date of issuance of this permit unless this permit has been modified to reflect such new requirements.

(b) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, IDEM, OAQ, shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.

(c) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application. Erroneous information means information that the Permittee knew to be false, or in the exercise of reasonable care should have been known to be false, at the time the information was submitted.

(d) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:

(1) The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;

(2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;

(3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and

(4) The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.

(e) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).

(f) This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAQ, has issued the modifications. [326 IAC 2-7-12(c)(7)]

(g) This permit shield is not applicable to minor Part 70 permit modifications until after IDEM, OAQ, has issued the modification. [326 IAC 2-7-12(b)(8)]

B.13 Prior Permits Superseded [326 IAC 2-1.1-9.5][326 IAC 2-7-10.5]

(a) All terms and conditions of permits established prior to T 005-17570-00080 and issued pursuant to permitting programs approved into the state implementation plan have been either:

(1) incorporated as originally stated,

(2) revised under 326 IAC 2-7-10.5, or

(3) deleted under 326 IAC 2-7-10.5.

(b) Provided that all terms and conditions are accurately reflected in this combined permit, all previous registrations and permits are superseded by this combined new source review and part 70 operating permit.

B.14 Termination of Right to Operate [326 IAC 2-7-10][326 IAC 2-7-4(a)]

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-7-3 and 326 IAC 2-7-4(a).

B.15 Deviations from Permit Requirements and Conditions [326 IAC 2-7-5(3)(C)(ii)]

(a) Deviations from any permit requirements (for emergencies see Section B - Emergency Provisions), the probable cause of such deviations, and any response steps or preventive measures taken shall be reported to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

using the attached Quarterly Deviation and Compliance Monitoring Report, or its equivalent. 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.

The Quarterly Deviation and Compliance Monitoring Report does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(b) A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.

B.16 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-7-5(6)(C)] [326 IAC 2-7-8(a)] [326 IAC 2-7-9]

(a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 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 2-7-5(6)(C)] The notification by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(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 2-7-9(a)(3)]

(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 2-7-9(b)]

(d) The reopening and revision of this permit, under 326 IAC 2-7-9(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 2-7-9(a)]

B.17 Permit Renewal [326 IAC 2-7-3][326 IAC 2-7-4][326 IAC 2-7-8(e)]

(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 2-7-4. 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 the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
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 2-7 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ any additional information identified as being needed to process the application.

B.18 Permit Amendment or Modification [326 IAC 2-7-11][326 IAC 2-7-12][40 CFR 72]

(a) Permit amendments and modifications are governed by the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 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
Permits Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

Any such application shall be certified by the "responsible official" as defined by 326 IAC 2-7-1(34).

(c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

B.19 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)] [326 IAC 2-7-12(b)(2)]

(a) No Part 70 permit revision shall be required under any approved economic incentives, marketable Part 70 permits, emissions trading, and other similar programs or processes for changes that are provided for in a Part 70 permit.

(b) Notwithstanding 326 IAC 2-7-12(b)(1) and 326 IAC 2-7-12(c)(1), minor Part 70 permit modification procedures may be used for Part 70 modifications involving the use of economic incentives, marketable Part 70 permits, emissions trading, and other similar approaches to the extent that such minor Part 70 permit modification procedures are explicitly provided for in the applicable State Implementation Plan (SIP) or in applicable requirements promulgated or approved by the U.S. EPA.

B.20 Operational Flexibility [326 IAC 2-7-20] [326 IAC 2-7-10.5]

(a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b),(c), or (e) 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 preconstruction approval required by 326 IAC 2-7-10.5 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
Permits Branch, Office of Air Quality
100 North Senate Avenue
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 2-7-20(b),(c), or (e). 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 2-7-20(b)(1), (c)(1), and (e)(2).

(b) The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is defined at 326 IAC 2-7-1(36)) without a permit revision, subject to the constraint of 326 IAC 2-7-20(a). For each such Section 502(b)(10) of the Clean Air Act change, the required written notification shall include the following:

(1) A brief description of the change within the source;

(2) The date on which the change will occur;

(3) Any change in emissions; and

(4) Any permit term or condition that is no longer applicable as a result of the change.

The notification which shall be submitted is not considered an application form, report or compliance certification. Therefore, the notification by the Permittee does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(c) Emission Trades [326 IAC 2-7-20(c)]
The Permittee may trade emissions increases and decreases at in 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 2-7-20(c).

(d) Alternative Operating Scenarios [326 IAC 2-7-20(c)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ, or U.S. EPA is required.

(e) 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.21 Source Modification Requirement [326 IAC 2-7-10.5]

(a) A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2 and 326 IAC 2-7-10.5.

(b) Any modification at an existing major source is governed by the requirements of 326 IAC 2-2-2 and 326 IAC 2-3-2.

B.22 Inspection and Entry [326 IAC 2-7-6][IC 13-14-2-2][IC 13-30-3-1][IC 13-17-3-2]

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 Part 70 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 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 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 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.23 Transfer of Ownership or Operational Control [326 IAC 2-7-11]

(a) The Permittee must comply with the requirements of 326 IAC 2-7-11 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
Permits Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

The application which shall be submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

B.24 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)][326 IAC 2-1.1-7]

(a) The Permittee shall pay annual fees to IDEM, OAQ, within 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) Except as provided in 326 IAC 2-7-19(e), 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.25 Advanced Source Modification Approval [326 IAC 2-7-5(16)] [326 IAC 2-7-10.5]

(a) The requirements to obtain a source modification approval under 326 IAC 2-7-10.5 or a permit modification under 326 IAC 2-7-12 are satisfied by this permit for the proposed emission units, control equipment or insignificant activities in Sections A.2 and A.3.

(b) Pursuant to 326 IAC 2-1.1-9 any permit authorizing construction may be revoked if construction of the emission unit has not commenced within eighteen (18) months from the date of issuance of the permit, or if during the construction, work is suspended for a continuous period of one (1) year or more

B.26 Credible Evidence [326 IAC 2-7-5(3)][326 IAC 2-7-6][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 2-7-5(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 Opacity [326 IAC 5-1]

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

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

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

C.3 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.4 Incineration [326 IAC 4-2] [326 IAC 9-1-2]

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

C.5 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.6 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
Asbestos Section, Office of Air Quality
100 North Senate Avenue
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 by the "responsible official" as defined by 326 IAC 2-7-1(34).

(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 Accredited 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 Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Accredited Asbestos inspector is not federally enforceable.

Testing Requirements [326 IAC 2-7-6(1)]

C.7 Performance Testing [326 IAC 3-6]

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

A test protocol, except as provided elsewhere in this permit, shall be submitted to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
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 certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(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.8 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 2-7-5(1)][326 IAC 2-7-6(1)]

C.9 Compliance Monitoring [326 IAC 2-7-5(3)][326 IAC 2-7-6(1)]

Unless otherwise specified in this permit, all monitoring and record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance. If required by Section D, the Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. If due to circumstances beyond its control, that equipment cannot be installed and operated within ninety (90) days, 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 Branch, Office of Air Quality
100 North Senate Avenue
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 the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

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

C.10 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

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

C.11 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-7-5(3)] [326 IAC 2-7-6(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 pressure gauge or other instrument specification will adequately ensure compliance with permit conditions requiring the measurement the parameters.

Corrective Actions and Response Steps [326 IAC 2-7-5][326 IAC 2-7-6]

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

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

(a) The Permittee prepared and submitted written emergency reduction plans (ERPs) consistent with safe operating procedures on July 15, 2004.

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

C.13 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68]

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

C.14 Response to Excursions or Exceedances [326 IAC 2-7-5] [326 IAC 2-7-6]

(a) Upon detecting an excursion or exceedance, the Permittee shall restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.

(b) The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Corrective actions may include, but are not limited to, the following:

(1) initial inspection and evaluation

(2) recording that operations returned to normal without operator action (such as through response by a computerized distribution control system); or

(3) any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.

(c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:

(1) monitoring results;

(2) review of operation and maintenance procedures and records;

(3) inspection of the control device, associated capture system, and the process.

(d) Failure to take reasonable response steps shall be considered a deviation from the permit.

(e) The Permittee shall maintain the following records:

(1) monitoring data;

(2) monitor performance data, if applicable; and

(3) corrective actions taken.

C.15 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5][326 IAC 2-7-6]

(a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.

(b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one-hundred and twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.

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

The response action documents submitted pursuant to this condition do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

C.16 Emission Statement [326 IAC 2-7-5(3)(C)(iii)][326 IAC 2-7-5(7)][326 IAC 2-7-19(c)][326 IAC 2-6]

(a) Pursuant to 326 IAC 2-6-3(b)(3), starting in 2006 and every three (3) years thereafter, the Permittee shall submit by July 1 an emission statement covering the previous calendar year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:

(1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);

(2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1 (32) (“Regulated pollutant, which is used only for purposes of Section 19 of this rule”) from the source, for purpose of fee assessment.

The statement must be submitted to:

Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

The emission statement does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(b) The emission statement 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.17 General Record Keeping Requirements[326 IAC 2-7-5(3)] [326 IAC 2-7-6] [326 IAC 2-2] [326 IAC 2-3]

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

(b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.

(c) If there is a reasonable possibility that a "project" (as defined in 326 IAC 2-2-1 (qq) and 326 IAC 2-3-1 (ll))) at an existing emissions unit, other than projects at a Clean Unit, which is not part of a "major modification" (as defined in 326 IAC 2-2-1 (ee) and 326 IAC 2-3-1 (z)) may result in significant emissions increase and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1 (rr) and 326 IAC 2-3-1 (mm))", the Permittee shall comply with following:

(1) Before beginning actual construction of the "project" (as defined in 326 IAC 2-2-1 (qq) and 326 IAC 2-3-1 (ll)) at an existing emissions unit, document and maintain the following records:
  (A) A description of the project.
  (B) Identification of any emissions unit whose emissions of a regulated new source review pollutant could be affected by the project.
  (C) A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including:
    (i) Baseline actual emissions;
    (ii) Projected actual emissions;
    (iii) Amount of emissions excluded under section 326 IAC 2-2-1 (rr)(2)(A)(iii) and 326 IAC 2-3-1 (mm)(2)(A)(iii)"; and
    (iv) An explanation for why the amount was excluded, and any netting calculations, if applicable.

(2) Monitor the emissions of any regulated NSR pollutant that could increase as a result of the project and that is emitted by any existing emissions unit identified in (1)(B) above; and

(3) Calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five (5) years following resumption of regular

operations after the change, or for a period of ten (10) years following resumption of regular operations after the change if the project increases the design capacity of or the potential to emit that regulated NSR pollutant at the emissions unit.

C.18 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11] [326 IAC 2-2] [326 IAC 2-3]

(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. This report shall be submitted within thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
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) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(e) 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.

(f) If the Permittee is required to comply with the recordkeeping provisions of (c) in Section C- General Record Keeping Requirements for any “project” (as defined in 326 IAC 2-2-1 (qq)) at an existing emissions unit, and the project meets the following criteria, then the Permittee shall submit a report to IDEM, OAQ:

(1) The annual emissions, in tons per year, from the project identified in (c)(1) in Section C- General Record Keeping Requirements exceed the baseline actual emissions, as documented and maintained under Section C- General Record Keeping Requirements (c)(1)(C)(i), by a significant amount, as defined in 326 IAC 2-2-1 (xx), for that regulated NSR pollutant, and

(2) The emissions differ from the preconstruction projection as documented and maintained under Section C- General Record Keeping Requirements (c)(1)(C)(ii).

(g) The report for project at an existing emissions unit shall be submitted within sixty (60) days after the end of the year and contain the following:

(1) The name, address, and telephone number of the major stationary source.

(2) The annual emissions calculated in accordance with (c)(2) and (3) in Section C- General Record Keeping Requirements.

(3) The emissions calculated under the actual-to-projected actual test stated in 326 IAC 2-2-2(d)(3).

(4) Any other information that the Permittee deems fit to include in this report,

Reports required in this part shall be submitted to:

Indiana Department of Environmental Management
Air Compliance Section, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

(h) The Permittee shall make the information required to be documented and maintained in accordance with (c) in Section C- General Record Keeping Requirements available for review upon a request for inspection by IDEM, OAQ. The general public may request this information from the IDEM, OAQ under 326 IAC 17.1.

Stratospheric Ozone Protection

C.19 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 the standards for recycling and emissions reduction:

(a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156.

(b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.

(c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

SECTION D.1 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]: Test Cells

(a) Six (6) exhaust system test cells with gasoline engines, and/or natural gas-fired engines, (with or without catalytic converters), and/or diesel fuel engines, identified as C-1 through C-6, installed in August 1978, exhausting to Stacks SC-1 through SC-6, capacity: 84 gallons of gasoline or diesel fuel per hour, total, or 1,224 cubic feet of natural gas per hour.

(b) Three (3) exhaust system test cells with gasoline engines (with or without catalytic converters) and/or diesel fuel engines, identified as C-7 through C-9, installed in May 1993, exhausting to Stacks SC-7 through SC-9, capacity: 42 gallons of gasoline or diesel fuel per hour, total.

(c) One (1) exhaust system test cell with gasoline engines (with or without catalytic converters) and/or diesel fuel engines, or natural gas-fired exhaust simulator, identified as C-10, installed in 1998 and modified in 2001, exhausting to Stack SC-10, capacity: 14 gallons of gasoline or diesel fuel per hour, or 800 cubic feet of natural gas per hour.

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

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.1.1 Carbon Monoxide Limitations [326 IAC 2-2]

The carbon monoxide (CO) emissions shall be limited as follows to make the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration) not applicable.

(a) The total input of gasoline to engine test cells C-1 through C-6 is limited to 119,645 gallons per twelve (12) consecutive month period, with compliance determined at the end of each month. This limitation is equivalent to a potential to emit of 235.7 tons of CO per consecutive twelve (12) month period.

(b) The total input of gasoline to engine test cells C-7 through C-9 is limited to 126,396 gallons per twelve (12) consecutive month period, with compliance determined at the end of each month. This limitation is equivalent to a potential to emit of 249.0 tons of CO per consecutive twelve (12) month period.

(c) The total input of gasoline to engine test cell C-10 is limited to 50,254 gallons per twelve (12) consecutive month period, with compliance determined at the end of each month. This limitation is equivalent to a potential to emit of 99.0 tons of CO per consecutive twelve (12) month period.

(d) The potential to emit of CO from engine test cells, identified as C-1 through C-10, shall not exceed 3.94 pounds per gallon, when using gasoline.

(e) The potential to emit of CO from engine test cells, identified as C-1 through C-10, shall not exceed 0.102 pounds per gallon, when using diesel.

(f) The potential to emit of CO from engine test cells, identified as C-1 through C-6, shall not exceed 0.00351 pounds per cubic feet, when using natural gas.

(g) The potential to emit of CO from the natural gas fired exhaust simulator shall not exceed 84.0 pounds per million cubic feet.

For purposes of determining compliance based on CO emissions each gallon of gasoline burned with a catalytic converter shall be equivalent to 0.100 gallons of gasoline and each gallon of diesel fuel burned shall be equivalent to 0.026 gallons of gasoline. Each million cubic feet of natural gas burned by the exhaust simulator shall be equivalent to 21.3 gallons of gasoline and each million cubic feet of natural gas burned by the natural gas-fired engine shall be equivalent to 891 gallons of gasoline.

D.1.2 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for these facilities and their control devices.

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.1.3 Record Keeping Requirements

The Permittee shall maintain monthly records at the source of the following values:

(a) The volume of gasoline and/or diesel fuel used in each of the ten (10) engine test cells, C-1 through C-10, and

(b) The volume of gasoline used in each of the ten (10) engine test cells, C-1 through C-10, with catalytic converters in operation.

(c) Each million cubic feet of natural gas burned in engine test cells C-1 through C-6, and the exhaust simulator C-10, with and without catalytic converters in operation.

D.1.4 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.1.1 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarterly period being reported. The report submitted by the Permittee does require the certification by the “responsible official” as defined by 326 IAC 2-7-1(34).

SECTION D.2 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]: Insignificant Activities

(a) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6. [326 IAC 8-3-2] [326 IAC 8-3-5]

(b) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour including four (4) natural gas-fired boilers, installed in 1978, rated at 4.0 million British thermal units per hour, each. [326 IAC 6-2-3]

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

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.2.1 Volatile Organic Compounds (VOC) [326 IAC 8-3-2]

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operations), for cold cleaning operations constructed after January 1, 1980, the Permittee 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.2.2 Volatile Organic Compounds (VOC) [326 IAC 8-3-5]

(a) Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), the Permittee of a cold cleaner degreaser facility construction of which commenced after July 1, 1990, shall ensure that the following control equipment requirements are met:

(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 (38EC) (one hundred degrees Fahrenheit (100EF));

(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 (38EC) (one hundred degrees Fahrenheit (100EF)) 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 subsection (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 (38EC) (one hundred degrees Fahrenheit (100EF)), or if the solvent is heated to a temperature greater than forty-eight and nineteenths degrees Celsius (48.9EC) (one hundred twenty degrees Fahrenheit (120EF)):

(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 of carbon adsorption. Such systems shall be submitted to the U.S. EPA as a SIP revision.

(b) Pursuant to 326 IAC 8-3-5(b) (Cold Cleaner Degreaser Operation and Control), the Permittee of a cold cleaning facility construction of which commenced after July 1, 1990, shall ensure that the following operating requirements are met:

(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.

D.2.3 Particulate [326 IAC 6-2-3]

The particulate matter (PM) emissions from the four (4) 4.0 million British thermal units per hour natural gas-fired boilers, installed in 1978, shall not exceed 0.6 pounds per million British thermal units per hour for each 4.0 million British thermal units per hour boiler.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY

PART 70 OPERATING PERMIT CERTIFICATION

Source Name: ArvinMeritor, Inc. Technical Center
Source Address: 950 West 450 South, Walesboro, Indiana 47201
Mailing Address: 950 West 450 South, Walesboro, Indiana 47201
Part 70 Permit No.: T 005-17570-00080

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:
Phone:
Date:

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY

COMPLIANCE BRANCH
100 North Senate Avenue
Indianapolis, Indiana 46204
Phone: 317-233-0178
Fax: 317-233-6865

PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT

Source Name: ArvinMeritor, Inc. Technical Center
Source Address: 950 West 450 South, Walesboro, Indiana 47201
Mailing Address: 950 West 450 South, Walesboro, Indiana 47201
Part 70 Permit No.: T 005-17570-00080

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

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

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

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

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

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

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

A certification is not required for this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

Part 70 Quarterly Report

Source Name: ArvinMeritor, Inc. Technical Center
Source Address: 950 West 450 South, Walesboro, Indiana 47201
Mailing Address: 950 West 450 South, Walesboro, Indiana 47201
Part 70 Permit No.: T 005-17570-00080
Facilities: Test Cells C-1 through C-6
Parameter: Throughput of gasoline or equivalent fuel, equivalent to CO emissions of 235.7 tons per year.
Limit: 119,645 gallons per twelve (12) consecutive month period, with compliance determined at the end of each month.
1.0 gallon of gasoline with catalytic converter = 0.100 gallons of gasoline.
1.0 gallon of diesel fuel = 0.026 gallons of gasoline and each million cubic feet of natural gas burned shall be equivalent to 21.3 gallons of gasoline, when using the exhaust simulator, and 891 gallons of gasoline, when using the natural gas-fired engine.

YEAR: _____

Month	Gallons of Gasoline or Equivalent	Gallons of Gasoline or Equivalent	Gallons of Gasoline or Equivalent
	This Month	Previous 11 Months	12 Month Total

☐ No deviation occurred in this month.

☐ Deviation/s occurred in this month.
Deviation has been reported on: _____

Submitted by: _____

Title/Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

Part 70 Quarterly Report

Source Name: ArvinMeritor, Inc. Technical Center
Source Address: 950 West 450 South, Walesboro, Indiana 47201
Mailing Address: 950 West 450 South, Walesboro, Indiana 47201
Part 70 Permit No.: T 005-17570-00080
Facilities: Test Cells C-7 through C-9
Parameter: Throughput of gasoline or equivalent fuel, equivalent to CO emissions of 249 tons per year.
Limit: 126,396 gallons per twelve (12) consecutive month period, with compliance determined at the end of each month.
1.0 gallon of gasoline with catalytic converter = 0.100 gallons of gasoline.
1.0 gallon of diesel fuel = 0.026 gallons of gasoline and each cubic feet of natural gas burned shall be equivalent to 21.3 gallons of gasoline, when using the exhaust simulator, and 891 gallons of gasoline, when using the natural gas-fired engine.

YEAR: _____

Month	Gallons of Gasoline or Equivalent	Gallons of Gasoline or Equivalent	Gallons of Gasoline or Equivalent
	This Month	Previous 11 Months	12 Month Total

☐ No deviation occurred in this month.

☐ Deviation/s occurred in this month.
Deviation has been reported on: _____

Submitted by: _____

Title/Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

Part 70 Quarterly Report

Source Name: ArvinMeritor, Inc. Technical Center
Source Address: 950 West 450 South, Walesboro, Indiana 47201
Mailing Address: 950 West 450 South, Walesboro, Indiana 47201
Part 70 Permit No.: T 005-17570-00080
Facilities: Test Cell C-10
Parameter: Throughput of gasoline or equivalent fuel, equivalent to CO emissions of 99.0 tons per year.
Limit: 50,254 gallons per twelve (12) consecutive month period, with compliance determined at the end of each month.
1.0 gallon of gasoline with catalytic converter = 0.100 gallons of gasoline.
1.0 gallon of diesel fuel = 0.026 gallons of gasoline and each million cubic feet of natural gas burned shall be equivalent to 21.3 gallons of gasoline, when using the exhaust simulator, and 891 gallons of gasoline, when using the natural gas-fired engine.

YEAR: _____

Month	Gallons of Gasoline or Equivalent	Gallons of Gasoline or Equivalent	Gallons of Gasoline or Equivalent
	This Month	Previous 11 Months	12 Month Total

☐ No deviation occurred in this month.

☐ Deviation/s occurred in this month.
Deviation has been reported on: _____

Submitted by: _____

Title/Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

PART 70 OPERATING PERMIT
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT

Source Name: ArvinMeritor, Inc. Technical Center
Source Address: 950 West 450 South, Walesboro, Indiana 47201
Mailing Address: 950 West 450 South, Walesboro, Indiana 47201
Part 70 Permit No.: T 005-17570-00080

Months: _____ **to** _____ **Year:** _____

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

☐ NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.

☐ THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD

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

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

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

Form Completed By: _____

Title/Position: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

Indiana Department of Environmental Management
Office of Air Quality

Addendum to the
Technical Support Document for a Part 70 Operating Permit

Source Name:	**ArvinMeritor, Inc. Technical Center**
Source Location:	**950 West 450 South, Walesboro, Indiana 47201**
County:	**Bartholomew**
SIC Code:	**8374**
Operation Permit No.:	**T 005-17570-00080**
Permit Reviewer:	**Brian J. Pedersen/MES**

On September 27, 2006, the Office of Air Quality (OAQ) had a notice published in the The Republic, Columbus, Indiana, stating that ArvinMeritor, Inc. Technical Center had applied for a Part 70 Operating Permit to operate stationary engine testing source with catalytic converters. The notice also stated that OAQ proposed to issue a Part 70 Operating Permit for this operation and provided information on how the public could review the proposed Part 70 Operating Permit and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not this Part 70 Operating Permit should be issued as proposed.

On October 24, 2006, Dave Jordan of ERM submitted comments on the proposed Part 70 Operating Permit. The comments are as follows: The permit language, if changed, has deleted language as ~~strikeouts~~ and new language **bolded.**

Comment 1:

Condition C.16- ArvinMeritor, Inc. requests that Condition C.16 be revised to indicate that emission reporting is only required once every three (3) years, based on emission totals.

Response 1:

IDEM, OAQ agrees that based on emission totals, emission reporting is only required once every three (3) years. Therefore, IDEM, OAQ has made the following change:

~~C.16 Emission Statement [326 IAC 2-7-5(3)(C)(iii)][326 IAC 2-7-5(7)][326 IAC 2-7-19(c)][326 IAC 2-6]~~

~~(a) Pursuant to 326 IAC 2-6-3(a)(1), the Permittee shall submit by July 1 of each year an emission statement covering the previous calendar year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:~~

~~(1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);~~

~~(2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1 (32) ("Regulated pollutant, which is used only for purposes of Section 19 of this rule") from the source, for purpose of fee assessment.~~

~~The statement must be submitted to:~~

~~Indiana Department of Environmental Management~~
~~Technical Support and Modeling Section, Office of Air Quality~~
~~100 North Senate Avenue~~
~~Indianapolis, Indiana 46204-2251~~

~~The emission statement does require the certification by the "responsible official" as defined~~

~~by 326 IAC 2-7-1(34).~~

~~(b) The emission statement 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.16 Emission Statement [326 IAC 2-7-5(3)(C)(iii)] [326 IAC 2-7-5(7)] [326 IAC 2-7-19(c)] [326 IAC 2-6]

(a) Pursuant to 326 IAC 2-6-3(b)(3), starting in 2006 and every three (3) years thereafter, the Permittee shall submit by July 1 an emission statement covering the previous calendar year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:

(1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);

(2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1 (32) ("Regulated pollutant, which is used only for purposes of Section 19 of this rule") from the source, for purpose of fee assessment.

The statement must be submitted to:

Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

The emission statement does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(b) The emission statement 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.

Comment 2:

Condition D.1.1(f) should state that the CO emission factor limit should be" 0.00351 pounds per cubic feet" rather than "0.00351 pounds per million cubic feet" of natural gas.

Response 2:

IDEM, OAQ agrees that the emission factor which is 3.51 pounds of CO per million British thermal units is equivalent to 0.00351 pounds of CO per cubic feet, given a heat content of 1,000 Btu per cubic feet of natural gas. Therefore, IDEM, OAQ has made the following changes:

D.1.1 Carbon Monoxide Limitations [326 IAC 2-2]

The carbon monoxide (CO) emissions shall be limited as follows to make the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration) not applicable.

(a) The total input of gasoline to engine test cells C-1 through C-6 is limited to 119,645 gallons per twelve (12) consecutive month period, with compliance determined at the end of each month. This limitation is equivalent to a potential to emit of 235.7 tons of CO per consecutive twelve (12) month period.

(b) The total input of gasoline to engine test cells C-7 through C-9 is limited to 126,396 gallons per twelve (12) consecutive month period, with compliance determined at the end of each month. This limitation is equivalent to a potential to emit of 249.0 tons of CO per consecutive twelve (12) month period.

(c) The total input of gasoline to engine test cell C-10 is limited to 50,254 gallons per twelve (12) consecutive month period, with compliance determined at the end of each month. This limitation is equivalent to a potential to emit of 99.0 tons of CO per consecutive twelve (12) month period.

(d) The potential to emit of CO from engine test cells, identified as C-1 through C-10, shall not exceed 3.94 pounds per gallon, when using gasoline.

(e) The potential to emit of CO from engine test cells, identified as C-1 through C-10, shall not exceed 0.102 pounds per gallon, when using diesel.

(f) The potential to emit of CO from engine test cells, identified as C-1 through C-6, shall not exceed 0.00351 pounds per ~~million~~ cubic feet, when using natural gas.

(g) The potential to emit of CO from the natural gas fired exhaust simulator shall not exceed 84.0 pounds per million cubic feet.

For purposes of determining compliance based on CO emissions each gallon of gasoline burned with a catalytic converter shall be equivalent to 0.100 gallons of gasoline and each gallon of diesel fuel burned shall be equivalent to 0.026 gallons of gasoline. Each million cubic feet of natural gas burned by the exhaust simulator shall be equivalent to 21.3 gallons of gasoline and each million cubic feet of natural gas burned by the natural gas-fired engine shall be equivalent to 891 gallons of gasoline.

Change 1:

There is a minor typo on page 1 of Appendix A. On page 1 the equivalency for natural gas to gasoline is correct, yet the emission factor referenced should be 3,510 pounds of CO per million cubic feet or 3.51 pounds of CO per million British thermal units of natural gas, not 0.102 pounds per gallon, which is the emission factor for diesel. Therefore enclosed as page 1 of the ATSD, the correct emission factor, which is 3,510 pounds of CO per million cubic feet or 3.51 pounds of CO per million British thermal units of natural gas, is now referenced in the equivalency.

Indiana Department of Environmental Management
Office of Air Quality

Technical Support Document (TSD) for a Part 70 Operating Permit Renewal

Source Background and Description

Source Name:	**ArvinMeritor, Inc. Technical Center**
Source Location:	**950 West 450 South, Columbus, Indiana 47201**
County:	**Bartholomew**
SIC Code:	**8374**
Operation Permit No.:	**T 005-7482-00080**
Operation Permit Issuance Date:	**January 26, 1999**
Permit Renewal No.:	**T 005-17570-00080**
Permit Reviewer:	**Brian J. Pedersen**

The Office of Air Quality (OAQ) has reviewed a Part 70 Operating Permit Renewal application from ArvinMeritor, Inc. Technical Center relating to the operation of a stationary engine testing source.

History

During the review process for the Title V renewal 005-17570-00080, ArvinMeritor, Inc. Technical Center has requested that the six (6) exhaust system test cells, identified as C-1 through C-6, be modified for the proposed use of a natural gas-fired engine. The natural gas-fired engine shall be included in the existing PSD limit. There is no increase in emissions as a result of this modification because the potential to emit is based on the worst case fuel from natural gas and/or diesel, and/or gasoline. Natural gas emissions are not the worst case fuel for any of the criteria pollutants.

Permitted Emission Units and Pollution Control Equipment

The source consists of the following permitted emission units and pollution control devices:

(a) Six (6) exhaust system test cells with gasoline engines, (with or without catalytic converters), and/or diesel fuel engines, identified as C-1 through C-6, installed in August 1978, exhausting to Stacks SC-1 through SC-6, capacity: 84 gallons of gasoline or diesel fuel per hour, total.

(b) Three (3) exhaust system test cells with gasoline engines (with or without catalytic converters) and/or diesel fuel engines, identified as C-7 through C-9, installed in May 1993, exhausting to Stacks SC-7 through SC-9, capacity: 42 gallons of gasoline or diesel fuel per hour, total.

(c) One (1) exhaust system test cell with gasoline engines (with or without catalytic converters) and/or diesel fuel engines, or natural gas-fired exhaust simulator, identified as C-10, installed in 1998 and modified in 2001, exhausting to Stack SC-10, capacity: 14 gallons of gasoline or diesel fuel per hour, or 800 cubic feet of natural gas per hour.

Unpermitted Emission Units and Pollution Control Equipment

There are no unpermitted emission units operating at this source during this review process.

New Emission Units and Pollution Control Equipment Receiving Advanced Source Modification Approval

(d) Six (6) exhaust system test cells with gasoline engines, and/or natural gas-fired engines, (with or without catalytic converters), and/or diesel fuel engines, identified as C-1 through C-6, installed in August 1978, exhausting to Stacks SC-1 through SC-6, capacity: 84 gallons of gasoline or diesel fuel per hour, total, or 1,224 cubic feet of natural gas per hour.

Insignificant Activities

The source also consists of the following insignificant activities, as defined in 326 IAC 2-7-1(21):

(a) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour including four (4) natural gas-fired boilers, installed in 1978, rated at 4.0 million British thermal units per hour, each. [326 IAC 6-2-3]

(b) A gasoline fuel transfer and dispensing operation handling less than or equal to 1,300 gallons per day, such as filling of tanks, locomotives, automobiles, having a storage capacity less than or equal to 10,500 gallons.

(c) A petroleum fuel, other than gasoline, dispensing facility, having a storage capacity of less than or equal to 10,500 gallons, and dispensing less than or equal to 230,000 gallons per month.

(d) The following VOC and HAP storage containers: Storage tanks with capacity less than or equal to 1,000 gallons and annual throughputs less than 12,000 gallons; vessels storing lubricating oil, hydraulic oils, machining oils, and machining fluids.

(e) Machining where an aqueous cutting coolant continuously floods the machining interface.

(f) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6. [326 IAC 8-3-2] [326 IAC 8-3-5]

(g) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches soldering equipment, welding equipment.

(h) Paved and unpaved roads and parking lots with public access.

(i) Four (4) exhaust gas simulators, prototype shop paint booth (research and development), two (2) outside test dyno.

Existing Approvals

The source has constructed and has been operating under the following previous approvals:

(a) T 005-7482-00080, issued on January 26, 1999;

(b) AA 005-11038-00080, issued on July 22, 1999

(c) SPM 005-12154-00080, issued on July 25, 2000;

(d) AA 005-13945-00080, issued on March 21, 2001;

(e) Reopening 005-13148-00080, issued on October 19, 2001; and

(f) AA 005-20751-00080, issued on January 19, 2006.

All terms and conditions of previous permits issued pursuant to permitting programs approved into the state implementation plan have been either incorporated as originally stated, revised, or deleted by this proposed permit. All previous registrations and permits are superseded by this permit.

The following terms and conditions from previous approvals have been revised in this Part 70 Operating Permit:

PSD Minor Limit

The PSD minor limit for test cells C-1 through C-6 in Condition D.1.1 in T 005-7482-00080 was based on a CO emission factor of 21.0 lbs/10^6 scf. A new CO emission factor for natural gas combustion was published in the AP-42 on January 1, 2000. The PSD limit has been adjusted using the new emission factor of 84.0 lbs/10^6 scf.

Enforcement Issue

There are no enforcement actions pending.

Recommendation

The staff recommends to the Commissioner that the Part 70 Operating Permit be approved. This recommendation is based on the following facts and conditions:

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant.

An administratively complete Part 70 Operating Permit renewal application for the purposes of this review was received on February 28, 2003. Additional information was received on June 27, July 6, July 7, July 14, and July 28, 2006.

Emission Calculations

See pages 1 through 7 of Appendix A of this document for detailed emission calculations.

Potential to Emit of the Source

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as “the maximum capacity of a stationary source to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or type or amount of material combusted, stored, or processed shall be treated as part of its design if the limitation is enforceable by the U.S. EPA.”

The source was issued a Part 70 Operating Permit on January 26, 1999. The table below summarizes the potential to emit, reflecting all limits, of the emission units. Any control equipment is considered enforceable only after issuance of the original Part 70 Operating Permit and only to the extent that the effect of the control equipment is made practically enforceable in the permit.

	Potential To Emit (tons/yr)						
Process/Emission Unit	PM	PM_{10}	SO_2	VOC	CO	NO_x	HAPs
Test Cells / C1 – C6	12.3	11.8	11.5	11.8	235.7	173	0.296
Test Cells / C7 – C9	6.16	5.89	5.74	9.35	249	86.3	-
Test Cell / C – 10	2.06	1.99	1.91	3.74	99.0	29.2	-
Insignificant Activities	* 5.32	* 6.27	0.100	0.915	14.0	16.6	0.315
Total Emissions	25.9	26.0	19.3	25.8	597	305.1	0.611

* A conservative estimate of five (5) tons of PM/PM_{10} has been added for non-combustion Insignificant Activities.

(a) The potential to emit for the test cells, identified as C-1 through C-10, is represented by the higher limited emission total, using gasoline or diesel fuel, or the unlimited potential to emit for each criteria pollutant. Test cells C-1 through C-6 have limited CO emissions to 235.7 tons per year. Test cells C-7 through C-9 have limited CO emissions to 249 tons per year and test cell C-10 has limited CO emissions to 99 tons per year.

(b) The potential to emit (as defined in 326 IAC 2-7-1(29)) of CO and NO_X are equal to or greater than one hundred (100) tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-7.

(c) Fugitive Emissions
Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2 and since there are no applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive particulate matter (PM) and volatile organic compound (VOC) emissions are not counted toward determination of PSD and Emission Offset applicability.

Actual Emissions

The following table shows the actual emissions from the source. This information reflects the 2002 OAQ emission data.

Pollutant	**Actual Emissions (tons/year)**
PM	-
PM_{10}	0.00
SO_2	0.00
VOC	8.00
CO	23.0
NO_x	7.00

HAP	Not Reported

County Attainment Status

The source is located in Bartholomew County.

Pollutant	Status
$PM_{2.5}$	Attainment
PM_{10}	Attainment
SO_2	Attainment
NO_2	Attainment
1-Hour Ozone	Attainment
8-Hour Ozone	Attainment
CO	Attainment
Lead	Attainment

(a) Volatile organic compounds (VOC) and nitrogen oxides (NO_X) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NO_X emissions are considered when evaluating the rule applicability relating to ozone. Bartholomew County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NO_X emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability - Entire Source section of this document.

(b) Bartholomew County has been classified as unclassifiable or attainment for $PM_{2.5}$. U.S. EPA has not yet established the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2 for $PM_{2.5}$ emissions. Therefore, until the U.S. EPA adopts specific provisions for PSD review for $PM_{2.5}$ emissions, it has directed states to regulate PM_{10} emissions as surrogate for $PM_{2.5}$ emissions. See the State Rule Applicability for the source section.

(c) Bartholomew County has been classified as attainment or unclassifiable in Indiana for all criteria pollutants. Therefore, these 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 of this document.

Part 70 Operating Permit Conditions

This source is subject to the requirements of 326 IAC 2-7, pursuant to which the source has to meet the following:

(a) Emission limitations and standards, including those operational requirements and limitations that assure compliance with all applicable requirements at the time of issuance of Part 70 Operating Permits.

(b) Monitoring and related record keeping requirements which assure that all reasonable information is provided to evaluate continuous compliance with the applicable requirements.

Federal Rule Applicability

(a) This source does involve a pollutant-specific emission units as defined in 40 CFR 64.1 that has the potential to emit before controls equal to or greater than the major source threshold for CO, and is subject to emission limitations or standards for CO. However, the emission units do not use a control device as defined in 40 CFR Part 64.1 to comply with that emission limitation or standard.

Therefore, the requirements of 40 CFR Part 64, Compliance Assurance Monitoring, are not included in this permit for this source.

(b) There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) included in the permit for this source.

(c) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP), Subpart PPPPP, Engine Test Cells/Stands, are not included in the permit for this source because this source is not a major source of HAPs, as defined in 40 CFR 63.2.

(d) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP), Subpart ZZZZ, Reciprocating Internal Combustion Engines, are not included in the permit because this source is not a major source of HAPs, as defined in 40 CFR 63.2.

(e) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP), Subpart DDDDD, Industrial/Commercial/Institutional Boilers and Process Heaters, are not included in the permit because this source is not a major source of HAPs, as defined in 40 CFR 63.2.

(f) There are no other National Emission Standards for Hazardous Air Pollutants (NESHAP) 40 CFR 63 included in the permit for this source.

State Rule Applicability – Entire Source

326 IAC 2-2 (Prevention of Significant Deterioration (PSD))

Pursuant to T 005-7482-00080, the six (6) test cells, identified as C-1 through C-6, installed in 1978, had a combined gasoline usage limit of 124,721 gallons per consecutive twelve (12) month period. This was equivalent to limiting the CO emissions to 245.7 tons per year and was required to render this source a minor source under 326 IAC 2-2. Pursuant to T 005-17570-00080, the CO emissions limit of 245.7 tons per year from the six (6) test cells, identified as C-1 through C-6, has been adjusted to 235.7 tons per year (119,645 gallons per consecutive twelve (12) month period). This is because the original limit was based on a CO emission factor of 21.0 lbs/10^6 scf. A new CO emission factor for natural gas combustion was published in the AP-42 on January 1, 2000. The PSD limit has been adjusted using the new emission factor of 84.0 lbs/10^6 scf to take into account the increase in CO emissions for the insignificant activities.

The potential to emit of CO from engine test cells, identified as C-1 through C-10, shall not exceed 3.94 pounds per gallon, when using gasoline. The potential to emit of CO from engine test cells, identified as C-1 through C-10, shall not exceed 0.102 pounds per gallon, when using diesel. The potential to emit of CO from engine test cells, identified as C-1 through C-6, shall not exceed 0.00351 pounds per million cubic feet, when using natural gas. The potential to emit of CO from the natural gas fired exhaust simulator shall not exceed 84.0 pounds per million cubic feet.

In 1993 this source became a major source under PSD when it added three (3) more test cells, identified as C-7 through C-9, because CO emissions exceeded the major source threshold. This modification was a minor modification under PSD because a gasoline usage limit for the test cells identified as C-7 through C-9, was limited to 126,396 gallons per consecutive twelve (12) month period, which is equivalent to 249 tons per year.

Pursuant to CP 005-9554-00080 in 1998, this major source had a minor modification when it added a test cell identified as C-10. The source limited CO emissions from the test cell identified as C-10 with a fuel usage limit of 50,254 gallons per consecutive twelve (12) month period, which is equivalent to ninety nine (99) tons per year, below PSD significant levels. All other criteria pollutants were below the PSD significant levels.

Therefore, this source, which is not one of the twenty-eight (28) listed source categories, is a major source pursuant to 326 IAC 2-2, PSD.

326 IAC 2-4.1-1 (New source toxics control)

Test cell, identified as C-10, installed in 1998, will emit less than ten (10) tons per year of a single HAP and less than twenty-five (25) tons per year of a combination of HAPs. Test cells C-1 through C-9 were constructed prior to the applicability date of July 27, 1997. Therefore, 326 IAC 2-4.1 does not apply.

326 IAC 2-6 (Emission Reporting)

This source is subject to 326 IAC 2-6 (Emission Reporting) because it is required to have an operating permit pursuant to 326 IAC 2-7, Part 70. In accordance with the compliance schedule in 326 IAC 2-6-3, an emission statement must be submitted by July 1. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4.

326 IAC 5-1 (Opacity Limitations)

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

(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.

State Rule Applicability – Individual Facilities

326 IAC 6-2-3 (Particulate emission limitations for sources of indirect heating)

(a) Pursuant to 326 IAC 6-2-3 (Particulate emission limitations for sources of indirect heating: emission limitations for facilities specified in 326 IAC 6-2-1 (b)), particulate emissions from the insignificant activities consisting of four (4) 4.0 million British thermal units per hour, natural gas-fired boilers, were all constructed in 1978 and were in existence before September 21, 1983, and thus shall be limited by the following equation:

$$Pt = \frac{C \times a \times h}{76.5 \times Q^{0.75} \times N^{0.25}}$$

C = maximum ground level concentration (default = 50 F/m_3)
a = plume rise factor (default = 0.67 for Q less than 1,000 MMBtu/hr)
h = stack height in feet
Q = total source maximum operating capacity
N = number of stacks in fuel burning operation

$$Pt = \frac{50\ Fg/m_3 * 0.67 * 41}{76.5 * 16_{0.75} * 4_{0.25}} = 1.59$$ pounds of particulate matter emitted per MMBtu

Pursuant to 326 IAC 6-2-3 (e), particulate emissions from all facilities used for indirect heating purposes which began operations after June 8, 1972, shall in no case exceed 0.6 pounds of particulate matter per million British thermal units heat input.

As shown in the on page 3 of Appendix A for the boiler combustion, the total PM emissions from the four (4) boilers are 0.133 tons per year. This is equivalent to 0.030 pounds per hour of particulate matter per 16 million British thermal units heat input or 0.002 pounds per million British thermal unit. Therefore, all four (4) boilers comply with the rule.

326 IAC 8-6 (Organic Solvent Emission Limitations)

(a) Test cells C-1 through C-6, installed in 1978, are not subject to the requirements of 326 IAC 8-6 (Organic Solvent Emission Limitations) since the potential VOC emissions are less than one hundred (100) tons per year.

(b) The applicability dates for this rule are after October 7, 1974, and prior to January 1, 1980. Test cells C-7 through C-10 were installed after the 1980. Therefore the requirements of 326 IAC 8-6 do not apply.

326 IAC 8-1-6 (New facilities; general reduction requirements)

(a) Test cells, identified as C-7 through C-9, installed in 1993, are not subject to the requirements of 326 IAC 8-1-6 (New facilities; general reduction requirements) because the VOC emission rates from these test cells are limited to a total of 9.35 tons per year, less than the 25 ton per year applicability threshold.

(b) Test cells, identified as C-1 through C-6, were installed in 1978. This is before the applicability date of January 1, 1980. Therefore the requirements of 326 IAC 8-1-6 do not apply.

(c) Test cell C-10, installed in 1998, has a limited VOC potential emission rate of 3.72 tons per year. This VOC emission rate is less than 25 tons per year. Therefore the requirements of 326 IAC 8-1-6 do not apply to this test cell.

State Rule Applicability – Insignificant Activities

326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)

Since the welding consumes less than 625 pounds of weld wire or rod per day and the torch cutting, which has cuts less than 3,400 inches per hour of stock, and 1-inch thickness or less, then the welding and torch cutting are exempt from the requirements of 326 IAC 6-3, pursuant to 326 IAC 6-3-1(b)(9) and (10).

326 IAC 8-3-2 (Cold Cleaner Operations)

Pursuant to 326 IAC 8-3-2, for the cold cleaner operations, the Permittee shall:

(1) equip the cleaner with a cover;

(2) equip the cleaner with a facility for draining cleaned parts;

(3) close the degreaser cover whenever parts are not being handled in the cleaner;

(4) drain cleaned parts for at least fifteen (15) seconds or until dripping ceases;

(5) provide a permanent, conspicuous label summarizing the operating requirements;

(6) 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.

326 IAC 8-3-5 (Cold Cleaner Degreaser Operation and Control)

(a) Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), the Permittee of a cold cleaner degreaser facility construction of which commenced after July 1, 1990, shall ensure that the following control equipment requirements are met:

(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^{o}C) (one hundred degrees Fahrenheit (100^{o}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^{o}C) (one hundred degrees Fahrenheit (100^{o}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 subsection (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^{o}C) (one hundred degrees Fahrenheit (100^{o}F)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9^{o}C) (one hundred twenty degrees Fahrenheit (120^{o}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 of carbon adsorption. Such systems shall be submitted to the U.S. EPA as a SIP revision.

(b) Pursuant to 326 IAC 8-3-5(b) (Cold Cleaner Degreaser Operation and Control), for a cold cleaning facility construction of which commenced after July 1, 1990, the Permittee shall ensure that the following operating requirements are met:

(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.

326 IAC 9-1-2 (Carbon monoxide emission rules)

This rule is not applicable to the engine test cells because they are not one (1) of the three (3) source types listed under 326 IAC 9-1-2.

Testing Requirements

Testing is not being required because AP-42 emission factors are being utilized for all emission calculations.

Compliance Requirements

Permits issued under 326 IAC 2-7 are required to ensure that sources can demonstrate compliance with applicable state and federal rules on a more or less continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a more or less continuous demonstration. When this occurs IDEM, OAQ in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-7-5. As a result, compliance requirements are divided into two sections: Compliance Determination Requirements and Compliance Monitoring Requirements.

Compliance Determination Requirements in Section D of the permit are those conditions that are found more or less directly within state and federal rules and the violation of which serves as grounds for enforcement action. If these conditions are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also in Section D of the permit. Unlike Compliance Determination Requirements, failure to meet Compliance Monitoring conditions would serve as a trigger for corrective actions and not grounds for enforcement action. However, a violation in relation to a compliance monitoring condition will arise through a source's failure to take the approporiate corrective actions within a specific time period.

There are no compliance monitoring requirements included in this permit.

Conclusion

The operation of this stationary engine testing source shall be subject to the conditions of this Part 70 Operating Permit T 005-17570-00080.

Appendix A: Emission Calculations
Engine Test Cells

Company Name: ArvinMeritor, Inc. Technical Center
Address City, Indiana: 950 West 450 South, Walesboro, Indiana 47201
Permit Number T 005-17570
Plt Id: 005-00080
Reviewer: Brian J. Pedersen
Date: February 28, 2003

A. Potential Emissions Calculations **Test Cells C1 - C6 (Constructed in August 1978)**
Gasoline **No Catalytic Converters**

CO Emissions Are Limited to 235.7 TPY (Plus Space Heater and Boiler Emissions of 13.3 TPY) to make 326 IAC 2-2 not applicable

Pollutant	Emission Factor	Fuel Use	Potential Emissions		Limited Emissions
	(lbs/gal)	(gal/hr)	(lbs/hr)	(tons/yr)	(tons/yr)
VOC	0.148	84	12.43	54.5	8.85
PM	0.00647	84	0.543	2.380	0.387
PM-10	0.0062	84	0.521	2.281	0.371
NOx	0.102	84	8.57	37.5	6.10
CO	3.94	84	331	1450	235.7
SO2	0.00531	84	0.446	1.954	0.318

US EPA AIRS Emission Factors for "Reciprocating Engine Testing - Gasoline", SCC 2-04-004-01

Diesel

No Emission Limit is Required

Pollutant	Emission Factor	Fuel Use	Potential Emissions	
	(lbs/gal)	(gal/hr)	(lbs/hr)	(tons/yr)
VOC	0.0321	84	2.696	11.81
PM	0.0335	84	2.814	12.33
PM-10	0.032	84	2.688	11.77
NOx	0.469	84	39.40	172.6
CO	0.102	84	8.57	37.5
SO2	0.0312	84	2.621	11.48

US EPA AIRS Emission Factors for "Reciprocating Engine Testing - Diesel/Kerosene", SCC 2-04-004-02

Natural Gas

No Emission Limit is Required

Pollutant	Emission Factor	Fuel Use	Potential Emissions	
	(lbs/MMBtu)	(MMBtu/hr)	(lbs/hr)	(tons/yr)
VOC	0.12	1.224	0.147	0.643
PM	0.00991	1.224	0.012	0.053
PM-10	0.0384	1.224	0.047	0.206
NOx	1.94	1.224	2.375	10.40
CO	3.51	1.224	4.296	18.818
SO2	0.0312	1.224	0.038	0.167
Formaldehyde	0.0552	1.224	0.068	0.296

AP-42 Chapter 3.2 Natural Gas Fired Reciprocating Engines (Tables 3.2-1, 3.2-2, and 3.2-3)

NOTE: If Gasoline Engines Are Running With Catalytic Converters, the CO Emissions Will be Controlled by 90%

Calculation of Gasoline Fuel Limit Based on CO Emission Limit of 235.7 Tons Per Year:

235.7 TPY * 2000 lbs/ton/3.94 lbs/gal = **119645 gallons per year**

Fuel equivalency based upon CO limit **1.0 gal gasoline with catalytic converter = 0.100 gal gasoline**
Fuel equivalency based upon CO limit **1.0 gal diesel fuel = 0.026 gal of gasoline (0.102/3.94)**
Fuel equivalency based upon CO limit **1.0 million cubic feet of natural gas = 891 gal of gasoline (1000*3.51/0.102)**

B. Potential Emissions Calculations **Test Cells C7 - C9 (Constructed in May 1993)**
Gasoline **No Catalytic Converters**

CO Emissions Are Limited to 249.0 TPY to make 326 IAC 2-2 not applicable

Pollutant	Emission Factor	Fuel Use	Potential Emissions		Limited Emissions
	(lbs/gal)	(gal/hr)	(lbs/hr)	(tons/yr)	(tons/yr)
VOC	0.148	42	6.22	27.2	9.35
PM	0.00647	42	0.272	1.190	0.41
PM-10	0.0062	42	0.260	1.141	0.39
NOx	0.102	42	4.28	18.8	6.45
CO	3.94	42	165	725	249.0
SO2	0.00531	42	0.223	0.977	0.336

US EPA AIRS Emission Factors for "Reciprocating Engine Testing - Gasoline", SCC 2-04-004-01

Diesel

No Emission Limit is Required

Pollutant	Emission Factor*	Fuel Use	Potential Emissions	
	(lbs/gal)	(gal/hr)	(lbs/hr)	(tons/yr)
VOC	0.0321	42	1.348	5.91
PM	0.0335	42	1.407	6.16
PM-10	0.032	42	1.344	5.89
NOx	0.469	42	19.70	86.3
CO	0.102	42	4.28	18.8
SO2	0.0312	42	1.310	5.74

US EPA AIRS Emission Factors for "Reciprocating Engine Testing -Diesel/Kerosene", SCC 2-04-004-02

NOTE: If gasoline engines are running with catalytic converters, the CO emissions will be controlled by 90%.

Calculation of gasoline fuel limit based on CO emission limit of 249.0 tons per year:
249 TPY * 2000 lbs/ton/3.94 lbs/gal = **126396 gallons per year**

Fuel equivalency based upon CO limit **1.0 gal gasoline with catalytic converter = 0.100 gal gasoline**
Fuel equivalency based upon CO limit **1.0 gal diesel fuel = 0.026 gal of gasoline (0.102/3.94)**

C. Potential Emissions Calculations One (1) New Test Cell C-10 (1998)
Gasoline No Catalytic Converters

CO limited to 99.0 TPY to make 326 IAC 2-2 not applicable

Pollutant	Emission Factor	Fuel Use	Potential Emissions		Limited Emissions
	(lbs/gal)	(gal/hr)	(lbs/hr)	(tons/yr)	(tons/yr)
VOC	0.148	14	2.07	9.1	3.72
PM	0.00647	14	0.091	0.397	0.163
PM-10	0.0062	14	0.087	0.380	0.156
NOx	0.102	14	1.43	6.3	2.56
CO	3.94	14	55	242	99.0
SO2	0.00531	14	0.074	0.326	0.133

US EPA AIRS Emission Factors for "Reciprocating Engine Testing - Gasoline", SCC 2-04-004-01

Diesel

No Emission Limit is Required

Pollutant	Emission Factor	Fuel Use	Potential Emissions	
	(lbs/gal)	(gal/hr)	(lbs/hr)	(tons/yr)
VOC	0.0321	14	0.449	1.97
PM	0.0335	14	0.469	2.05
PM-10	0.032	14	0.448	1.96
NOx	0.469	14	6.57	28.8
CO	0.102	14	1.43	6.3
SO2	0.0312	14	0.437	1.91

US EPA AIRS Emission Factors for "Reciprocating Engine Testing -Diesel/Kerosene", SCC 2-04-004-02

NOTE: If gasoline engines are running with catalytic converters, the CO emissions will be controlled by 90%.

Calculation of gasoline fuel limit based on CO emission limit of 99.0 tons per year:
99 TPY * 2000 lbs/ton/3.94 lbs/gal = **50254 gallons per year**

Fuel equivalency based upon CO limit **1.0 gal gasoline with catalytic converter = 0.100 gal gasoline**
Fuel equivalency based upon CO limit **1.0 gal diesel fuel = 0.026 gal of gasoline (0.102/3.94)**

SUMMARY

The Sum of the Worst Case of Any Fuel for Each Set of Test Cells.
Note the Potential for a Given May Be Higher than the Limited Emissions for the Other Fuel.

	Potential Emissions	**Limited Emissions**
Pollutant	(tons/year)	(tons/year)
VOC	90.75	24.88
PM	20.54	20.54
PM-10	19.62	19.62
NOx	287.59	287.59
CO	2416.01	583.70
SO2	19.13	19.13
HAPS	0.296	0.296

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

Company Name: ArvinMeritor, Inc. Technical Center
Address City IN Zip: 950 West 450 South, Walesboro, Indiana 47201
Permit Number: T 005-17570
Plt ID: 005-00080
Reviewer: Brian J. Pedersen
Application Date: February 28, 2003

4 Boilers (4.0 MMBtu/hr each, total 16.0 MMBtu/hr) + Space Heaters (total 20.0 MMBtu/hr), All installed in August 1978

Heat Input Capacity MMBtu/hr	Potential Throughput MMCF/yr
36.00	315

	Pollutant					
	PM*	PM10*	SO2	NOx	VOC	CO
Emission Factor in lb/MMCF	1.90	7.60	0.600	100 **see below	5.50	84.0
Potential Emission in tons/yr	0.300	1.198	0.095	15.768	0.867	13.245

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

Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,000 MMBtu
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 (SUPPLEMENT D 3/98)
Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton
See page 4 for HAPs emissions calculations.

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

Company Name: **ArvinMeritor, Inc. Technical Center**
Address City IN Zip: **950 West 450 South, Walesboro, Indiana 47201**
Permit Number: **T 005-17570**
Plt ID: **005-00080**
Reviewer: **Brian J. Pedersen**
Application Date: **February 28, 2003**

	HAPs - Organics				
	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene
Emission Factor in lb/MMcf	0.00210	0.00120	0.07500	1.80000	0.00340
Potential Emission in tons/yr	0.000331	0.000189	0.011826	0.283824	0.000536

	HAPs - Metals					
	Lead	Cadmium	Chromium	Manganese	Nickel	
Emission Factor in lb/MMcf	0.0005	0.0011	0.0014	0.0004	0.0021	**Total**
Potential Emission in tons/yr	0.00008	0.00017	0.00022	0.00006	0.00033	**0.298**

Methodology is the same as page 3.

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

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

Company Name: ArvinMeritor, Inc. Technical Center
Address City IN Zip: 950 West 450 South, Walesboro, Indiana 47201
Permit Number: T 005-17570
Plt ID: 005-00080
Reviewer: Brian J. Pedersen
Application Date: February 28, 2003

Two (2) Space Heaters (total 2.0 MMBtu/hr) installed in 1998

Heat Input Capacity MMBtu/hr	Potential Throughput MMCF/yr
2.00	18

	Pollutant					
	PM*	PM10*	SO2	NOx	VOC	CO
Emission Factor in lb/MMCF	1.90	7.60	0.600	100 **see below	5.50	84.0
Potential Emission in tons/yr	0.017	0.067	0.005	0.876	0.048	0.736

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

Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,000 MMBtu
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 (SUPPLEMENT D 3/98)
Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton
See page 6 for HAPs emissions calculations.

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

Company Name: **ArvinMeritor, Inc. Technical Center**
Address City IN Zip: **950 West 450 South, Walesboro, Indiana 47201**
Permit Number: **T 005-17570**
Plt ID: **005-00080**
Reviewer: **Brian J. Pedersen**
Application Date: **February 28, 2003**

	HAPs - Organics				
	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene
Emission Factor in lb/MMcf	0.00210	0.00120	0.07500	1.80000	0.00340
Potential Emission in tons/yr	0.000018	0.000011	0.000657	0.015768	0.000030

	HAPs - Metals					
	Lead	Cadmium	Chromium	Manganese	Nickel	
Emission Factor in lb/MMcf	0.0005	0.0011	0.0014	0.0004	0.0021	**Total**
Potential Emission in tons/yr	0.00000	0.00001	0.00001	0.00000	0.00002	**0.017**

Methodology is the same as page 5.

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

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

Company Name: **ArvinMeritor, Inc. Technical Center**
Address City IN Zip: **950 West 450 South, Walesboro, Indiana 47201**
Permit: **T 005-17570**
Plt ID: **005-00080**
Reviewer: **Brian J. Pedersen**
Date: **February 28, 2003**

Exhaust Simulator (C-10)

Heat Input Capacity MMBtu/hr	Potential Throughput MMCF/yr
0.8	7.0

	Pollutant					
	PM*	PM10*	SO2	NOx	VOC	CO
Emission Factor in lb/MMCF	1.9	7.6	0.6	100.0 **see below	5.5	84.0
Potential Emission in tons/yr	0.007	0.027	0.002	0.350	0.019	0.294

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

Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,000 MMBtu
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 (SUPPLEMENT D 3/98)
Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton

Appendix A: Emission Calculations
Engine Test Cells
(Revised Equivalency)

Company Name: ArvinMeritor, Inc. Technical Center
Address City, Indiana: 950 West 450 South, Walesboro, Indiana 47201
Permit Number T 005-17570
Plt Id: 005-00080
Reviewer: Brian J. Pedersen
Date: February 28, 2003

A. Potential Emissions Calculations **Test Cells C1 - C6 (Constructed in August 1978)**
Gasoline **No Catalytic Converters**

CO Emissions Are Limited to 235.7 TPY (Plus Space Heater and Boiler Emissions of 13.3 TPY) to make 326 IAC 2-2 not applicable

Pollutant	Emission Factor	Fuel Use	Potential Emissions		Limited Emissions
	(lbs/gal)	(gal/hr)	(lbs/hr)	(tons/yr)	(tons/yr)
VOC	0.148	84	12.43	54.5	8.85
PM	0.00647	84	0.543	2.380	0.387
PM-10	0.0062	84	0.521	2.281	0.371
NOx	0.102	84	8.57	37.5	6.10
CO	3.94	84	331	1450	235.7
SO2	0.00531	84	0.446	1.954	0.318

US EPA AIRS Emission Factors for "Reciprocating Engine Testing - Gasoline", SCC 2-04-004-01

Diesel

No Emission Limit is Required

Pollutant	Emission Factor	Fuel Use	Potential Emissions	
	(lbs/gal)	(gal/hr)	(lbs/hr)	(tons/yr)
VOC	0.0321	84	2.696	11.81
PM	0.0335	84	2.814	12.33
PM-10	0.032	84	2.688	11.77
NOx	0.469	84	39.40	172.6
CO	0.102	84	8.57	37.5
SO2	0.0312	84	2.621	11.48

US EPA AIRS Emission Factors for "Reciprocating Engine Testing - Diesel/Kerosene", SCC 2-04-004-02

Natural Gas

No Emission Limit is Required

Pollutant	Emission Factor	Fuel Use	Potential Emissions	
	(lbs/MMBtu)	(MMBtu/hr)	(lbs/hr)	(tons/yr)
VOC	0.12	1.224	0.147	0.643
PM	0.00991	1.224	0.012	0.053
PM-10	0.0384	1.224	0.047	0.206
NOx	1.94	1.224	2.375	10.40
CO	3.51	1.224	4.296	18.818
SO2	0.0312	1.224	0.038	0.167
Formaldehyde	0.0552	1.224	0.068	0.296

AP-42 Chapter 3.2 Natural Gas Fired Reciprocating Engines (Tables 3.2-1, 3.2-2, and 3.2-3)

NOTE: If Gasoline Engines Are Running With Catalytic Converters, the CO Emissions Will be Controlled by 90%

Calculation of Gasoline Fuel Limit Based on CO Emission Limit of 235.7 Tons Per Year:

235.7 TPY * 2000 lbs/ton/3.94 lbs/gal = **119645 gallons per year**

Fuel equivalency based upon CO limit **1.0 gal gasoline with catalytic converter = 0.100 gal gasoline**
Fuel equivalency based upon CO limit **1.0 gal diesel fuel = 0.026 gal of gasoline (0.102/3.94)**
Fuel equivalency based upon CO limit **1.0 million cubic feet of natural gas = 890 gal of gasoline (3510/3.94)**

B. Potential Emissions Calculations **Test Cells C7 - C9 (Constructed in May 1993)**
Gasoline **No Catalytic Converters**

CO Emissions Are Limited to 249.0 TPY to make 326 IAC 2-2 not applicable

Pollutant	Emission Factor	Fuel Use	Potential Emissions		Limited Emissions
	(lbs/gal)	(gal/hr)	(lbs/hr)	(tons/yr)	(tons/yr)
VOC	0.148	42	6.22	27.2	9.35
PM	0.00647	42	0.272	1.190	0.41
PM-10	0.0062	42	0.260	1.141	0.39
NOx	0.102	42	4.28	18.8	6.45
CO	3.94	42	165	725	249.0
SO2	0.00531	42	0.223	0.977	0.336

US EPA AIRS Emission Factors for "Reciprocating Engine Testing - Gasoline", SCC 2-04-004-01