INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

TO: Interested Parties / Applicant

DATE: July 7, 2011

RE: Daramic, LLC / 061-30368-00012

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

Notice of Decision: Approval – Effective Immediately

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

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

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

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

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

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Pursuant to 326 IAC 2-7-18(d), any person may petition the U.S. EPA to object to the issuance of a Title V operating permit 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
FNTV-PMOD.doc 3/27/08

IDEM

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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July 7, 2011

Mr. Brian Thompson
EHS Manager
Daramic, LLC
3430 Cline Road NW
Corydon, Indiana 47112-6908

Re: 061-30368-00012
Significant Permit Modification to
Part 70 Operating Permit Renewal No.: 061-18304-00012

Mr. Thompson:

Daramic, LLC was issued a Part 70 Operating Permit Renewal on February 7, 2008, for a stationary battery separator manufacturing plant. A letter requesting changes to this permit was received on December 3, 2010. Pursuant to the provisions of 326 IAC 2-7-12, a significant permit modification to this permit is hereby approved as described in the attached Technical Support Document.

The modification consists of a reevaluation of the applicability of the requirements of 326 IAC 8-1-6 (Best Available Control Technology (BACT)) to the extruders serving Sub-Micro Lines 4 and 6.

All other conditions of the permit shall remain unchanged and in effect. Please find attached the entire Part 70 Operating Permit Renewal as modified.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Anne-Marie C. Hart, OAQ, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana, 46204-2251, or call at (800) 451-6027, and ask for Stephanie Anne-Marie C. Hart or extension 4-5400, or dial (317) 234-5400.

Sincerely,

Chrystal Wagner, Section Chief
Permits Branch
Office of Air Quality

Attachments

ach

cc: File - Harrison County
U.S. EPA, Region V
Harrison County Health Department
IDEM OAQ Southeast Regional Office

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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Indianapolis, Indiana 46204
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PART 70 OPERATING PERMIT
OFFICE OF AIR QUALITY

Daramic, LLC
3430 Cline Road
Corydon, Indiana 47112

(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.: T061-18304-00012	
Issued by: *Original Signed by:* Chrystal Wagner, Section Chief Permits Branch Office of Air Quality	Issuance Date: February 7, 2008 Expiration Date: February 2, 2013

Significant Permit Modification No. 061-28014-00012, issued February 2, 2009
Administrative Amendment No. 061-28750-00012, issued January 15, 2010
Administrative Amendment No. 061-29665-00012, issued October 19, 2010

Significant Permit Modification No. 061-30368-00012	
Issued by: Chrystal Wagner, Section Chief Permits Branch Office of Air Quality	Issuance Date: July 7, 2011 Expiration Date: February 2, 2013

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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 battery separator manufacturing plant.

Source Address:	3430 Cline Road NW, Corydon, Indiana 47112
General Source Phone Number:	(812) 738-0422
SIC Code:	3089
County Location:	Harrison County
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Permit Program Minor Source, under PSD Rules; Major Source, Section 112 of the Clean Air Act Not 1 of 28 source categories

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

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

(a) Sub-Micro (SM) Line 3, installed in 1979, and Sub-Micro (SM) Line 4, installed in 1984, consisting of the following equipment:

(1) Four (4) silos, identified as Unit ID #s 4.1-4.4, used to store either polyethylene or silica, each with a maximum storage capacity of 168, 168, 75, and 75 tons, respectively, each utilizing a bin filter (Unit ID #s 4.1-4.4) for particulate matter control, each exhausting through one (1) stack, identified as S/V ID #s 4, 5, 6, and 7, respectively;

(2) Two (2) day bins, identified as Unit ID #s 6.1 and 6.2, used to store silica and polyethylene, respectively, each with a maximum storage capacity of 2.4 and 0.125 tons, respectively, each utilizing a bin filter (Unit ID #s 6.1 and 6.2) for particulate matter control, each exhausting through one (1) stack, identified as S/V ID #s 10 and 11, respectively;

(3) One (1) silo dilute phase transporter, identified as Unit ID #3.1, constructed in 2008, used to convey silica from rail cars to silo #s 4.2-4.5, utilizing a baghouse (Unit ID # 3.1) for particulate control, exhausting through one (1) stack, identified as S/V ID #3;

(4) One (1) silica transporter, identified as Unit ID # 5.1, constructed in 1979, used to convey silica from silos 4.3, 4.4, and 4.5 to silica day bin # 6.1, utilizing a baghouse (Unit # 5.1) for particulate matter control, each exhausting through one (1) stack, identified as S/V ID # 9;

(5) Two (2) oil extraction systems, identified as Unit ID #s 9.1 and 9.2, each system includes oil extraction pans, a solvent drying oven, a water drying oven, and a

distillation unit, utilizing a carbon adsorber to control volatile organic compounds and trichloroethylene, exhausting through one (1) stack, identified as S/V ID # 17;

(6) One (1) extruder, identified as Unit ID #8.1, controlled by a precipitative coalescing filter (smog hog) and exhausting through one (1) stack identified as S/V ID #14;

(7) One (1) extruder, identified as Unit ID #8.2, exhausting through one (1) stack identified as S/V ID #16;

(8) Two (2) aerosol addition systems (mix towers), identified as Unit ID #s 10.1, 10.2, exhausting inside the building;

(b) Sub-Micro (SM) Line 6, installed in 1991, consisting of the following equipment:

(1) One (1) silo, identified as Unit ID # 4.5, used to store silica, with a maximum storage capacity of 75 tons, utilizing a bin filter (Unit ID # 4.5) for particulate matter control, exhausting through one (1) stack, identified as S/V ID # 8;

(2) Two (2) day bins, identified as Unit ID #s 7.1 and 7.2, used to store silica and polyethylene, respectively, each with a maximum storage capacity of 2.4 and 0.125 tons, respectively, each utilizing a bin filter (Unit ID #s 7.1 and 7.2) for particulate matter control, each exhausting through one (1) stack, identified as S/V ID #s 12 and 13, respectively;

(3) One (1) oil extraction system, identified as Unit ID # 9.3,system includes oil extraction pans, a solvent drying oven, a water drying oven, and a distillation unit, utilizing a carbon adsorber to control volatile organic compounds and trichloroethylene, exhausting through one (1) stack, identified as S/V ID # 17;

(4) One (1) extruder, identified as Unit ID # 8.3, exhausting through one (1) stack identified as S/V ID #16;

(5) One (1) aerosol addition system (mix tower), identified as Unit ID # 10.3, exhausting inside the building;

(c) Sub-Micro (SM) Lines 3, 4 and 6 support equipment, consisting of storage tanks (Unit ID #s 11.1 through 11.6) and a trichloroethylene (TCE) recovery system (smokehouse) Unit ID #9.4;

Under NESHAP Subpart EEEE, the trichloroethylene (TCE) recovery system (smokehouse) Unit ID # 9.4 is considered an existing affected source.

(d) Two (2) boilers, identified as Unit ID #s 1.1 and 2.1, constructed in 1979 and 1991, respectively, each with a maximum heat input capacity of 12.553 and 20.922 MMBtu per hour, respectively, each combusting natural gas or No. 2 fuel oil, each exhausting through one (1) stack, identified as S/V ID #s 1 and 2, respectively;

(e) One (1) tank, identified as Unit #11.7, constructed in 1991, used to store virgin oil, with a maximum storage capacity of 14,384 gallons;

(f) One (1) silo dilute phase transporter, identified as Unit ID #13, installed in 2000, used to convey polyethylene pneumatically from rail cars to a silo, utilizing a bin filter for particulate control and exhausting through one (1) stack, identified as S/V ID #20;

(g) One (1) polyethylene weigh bin line 3 with maximum weighing capacity of 345 pounds per hour, installed in 2004, equipped with a baghouse for particulate control and exhausting through one (1) stack identified as F05.1;

(h) One (1) silica weigh bin line 3 with maximum weighing capacity of 800 pounds per hour, installed in 2004, equipped with a baghouse for particulate control and exhausting through one (1) stack identified as F01.1;

(i) One (1) polyethylene weigh bin line 4 with maximum weighing capacity of 345 pounds per hour, installed in 2004, equipped with a baghouse for particulate control and exhausting through one (1) stack identified as F05.2; and

(j) One (1) silica weigh bin line 4 with maximum weighing capacity of 800 pounds per hour, installed in 2004, equipped with a baghouse for particulate control and exhausting through one (1) stack identified as F01.2.

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) Trimmers that do not produce fugitive emissions and that are equipped with a dust collector or trim material recovery device such as a bag filter or cyclone [326 IAC 6-3-2];

(b) Paved and unpaved roads with public access [326 IAC 6-4];

(c) One (1) Chop Line: The line utilizes separator material made by the Corydon plant and purchased fiberglass in roll form. The 50 inch wide fiberglass is applied in roll form onto the separator material. Glue is used as an adhesive to bond the fiberglass to the separator material. The roll is heated in an electrically powered oven. The sheet exits the oven to a conveyor belt where it is cut into customer-required dimensions. An exhaust blower is used as a ventilation system directing fiberglass particles to a cyclone and collection bin and venting inside the building. The fiberglass is disposed as plant waste to a local landfill. Based on maximum usage of glue, the potential to emit VOC is less than 100 pounds per year [326 IAC 6-3-2].

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, T061-26584-00012, 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] [IC 13-17-12]

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

B.5 Severability [326 IAC 2-7-5(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. 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) A certification required by the permit meets the requirements of 326 IAC 2-7-6(1) if:

(1) it contains a certification by a "responsible official", as defined by 326 IAC 2-7-1(34), and

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

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

(c) A "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 and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, 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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a "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) A Preventive Maintenance Plan (PMP) meets the requirements of 326 IAC 1-6-3 if it includes, at a minimum:

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

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

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

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

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

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

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

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

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

The PMP extension notification does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official", as defined by 326 IAC 2-7-1(34).

(c) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions. The PMPs and their submittal do not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

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

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

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

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

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

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

The notice fulfills the requirement of 326 IAC 2-7-5(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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a "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.

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 T061-26584-00012 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 permit, all previous registrations and permits are superseded by this 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 Reserved

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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a "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(c)]

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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

Request for renewal shall be submitted to:

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

(b) A timely renewal application is one that is:

(1) Submitted at least nine (9) months prior to the date of the expiration of this permit; and

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

(c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-7 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, pursuant to 326 IAC 2-7-4(a)(2)(D), 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]

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

Any such application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "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 or notice 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
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue

MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

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

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

(5) The Permittee maintains records on-site, on a rolling five (5) year basis, which document all such changes and emission trades that are subject to 326 IAC 2-7-20(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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a “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 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(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(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 modification, construction, or reconstruction is governed by the requirements of 326 IAC 2 and 326 IAC 2-7-10.5.

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

Any such application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "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 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 5-1-1 (Applicability) and 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:

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

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

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

C.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). 326 IAC 6-4-2(4) is not federally enforceable.

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

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "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 Licensed Asbestos Inspector
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Licensed Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Licensed Asbestos inspector is not federally enforceable.

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

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

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

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

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a "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, for all monitoring requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or initial start-up, whichever is later, to begin such monitoring. If due to circumstances beyond the Permittee's control, any monitoring equipment required by this permit cannot be installed and operated no later than ninety (90) days after permit issuance or initial start-up, whichever is later, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

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

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

The notification which shall be submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "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 Reserved

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 instrument specification will adequately ensure compliance with permit conditions requiring the measurement of 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 shall prepare written emergency reduction plans (ERPs) consistent with safe operating procedures.

(b) These ERPs shall be submitted for approval to:

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

within ninety (90) days after the date of issuance of this permit.

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

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

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

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

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

C.13 Risk Management Plan [326 IAC 2-7-5(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]

Upon detecting an excursion where a response step is required by the D Section or an exceedance of a limitation in this permit:

(a) The Permittee shall take reasonable response steps to restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing excess emissions.

(b) The response shall include minimizing the period of any start-up, shutdown, or malfunction. The response may include, but is not limited to, the following:

(1) initial inspection and evaluation;

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

(3) any necessary follow-up actions to return operation to normal or usual manner of operation.

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

(1) monitoring results;

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

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

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

(e) The Permittee shall record the reasonable response steps taken.

C.15 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5][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 submit a description of its response actions to IDEM, OAQ, no later than seventy-five (75) days after the date of the test.

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

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

The response action documents submitted pursuant to this condition do require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "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
MC 61-50 IGCN 1003
Indianapolis, Indiana 46204-2251

The emission statement does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

C.17 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6]

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

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

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

(a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported except that a deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. This report shall be submitted no later than thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by

326 IAC 2-7-1(34). A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.

(b) The address for report submittal is:

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

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

(d) Reserved

(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.

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 applicable standards for recycling and emissions reduction.

SECTION D.1 FACILITY OPERATION CONDITIONS

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

(a) Sub-Micro (SM) Line 3, installed in 1979, and Sub-Micro (SM) Line 4, installed in 1984, consisting of the following equipment:

(1) Two (2) oil extraction systems, identified as Unit ID #s 9.1 and 9.2, each system includes oil extraction pans, a solvent drying oven, a water drying oven, and a distillation unit, utilizing a carbon adsorber to control volatile organic compounds and trichloroethylene, exhausting through one (1) stack, identified as S/V ID # 17;

(2) One (1) extruder, identified as Unit ID #8.1, controlled by a precipitative coalescing filter (smog hog) and exhausting through one (1) stack identified as S/V ID #14;

(3) One (1) extruder, identified as Unit ID #8.2, exhausting through one (1) stack identified as S/V ID #16;

(4) Two (2) aerosol addition systems (mix towers), identified as Unit ID #s 10.1, 10.2, exhausting inside the building;

(b) Sub-Micro (SM) Line 6, installed in 1991, consisting of the following equipment:

(1) One (1) oil extraction system, identified as Unit ID # 9.3, system includes oil extraction pans, a solvent drying oven, a water drying oven, and a distillation unit, utilizing a carbon adsorber to control volatile organic compounds and trichloroethylene, exhausting through one (1) stack, identified as S/V ID # 17;

(2) One (1) extruder, identified as Unit ID # 8.3, exhausting through one (1) stack identified as S/V ID #16;

(3) One (1) aerosol addition system (mix tower), identified as Unit ID # 10.3, exhausting inside the building;

(c) Sub-Micro (SM) Lines 3, 4 and 6 support equipment, consisting of storage tanks (Unit ID #s 11.1 through 11.6) and a trichloroethylene (TCE) recovery system (smokehouse) Unit ID #9.4.

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

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

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

(a) Pursuant to CP-061-1935-00012, issued on December 21, 1990, a carbon adsorption system (CAS) with 95% control efficiency has been determined by OAQ to be the Best Available Control Technology for SM-3, SM-4, and SM-6. The control system shall be operated at all times that oil extraction systems for SM-3, SM-4, and SM-6; aerosol addition systems for SM-3, SM-4, and SM-6; and tanks (ID #s 11.1 through 11.6) are used. For the purpose of determining compliance, the overall control efficiency of the control system shall be considered to be 95% provided the carbon adsorption unit is operating in compliance with the monitoring provisions specified in Condition D.1.7.

(b) Pursuant to 326 IAC 8-1-6 (BACT):

(1) A leak detection and repair (LDAR) program as described below has been determined by OAQ to be included as Best Available Control Technology for all equipment in trichloroethylene service (i.e., containing more than 5% trichloroethylene and in service more than 300 hours per calendar year). Within 30 days of the issuance of the Significant Permit Modification 061-23800-00012, the Permittee shall develop a written leak detection and repair (LDAR) program requiring leak checks of all equipment in trichloroethylene service. The LDAR plan shall be consistent with the following provisions of 40 CFR Part 63, Subpart H - National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks.

(A) Definitions: § 63.161;

(B) Standards: §§ 63.162-63.163, 63.165-63.169, 63.171, and 63.174;

(C) Quality Improvement Program for Valves and Pumps: §§ 63.175 and 63.176 (when applicable);

(D) Test Methods and Procedures: § 63.180;

(E) Recordkeeping: § 63.181;

(F) Reporting: § 63.182 (a), (b) & (d); and

(G) Implementation: § 63.183.

The Permittee shall implement the LDAR plan by no later than the close of the second calendar month following the month the 12 consecutive month period of the plant-wide trichloroethylene inventory loss first equals or exceeds 125 tons per year. For the purposes of the LDAR plan, the compliance date for determining the applicability of Subpart H Phase 1, Phase II or Phase III requirements shall be the date of implementation of the LDAR plan.

(2) In the event the requirement to implement LDAR Plan is triggered as described in Condition D.1.1(b)(1), the Permittee shall continue to implement the LDAR plan until the 12 month consecutive period sum of source-wide trichloroethylene inventory loss remains less than 125 tons per year for three consecutive calendar months, at which time it may cease implementation of the LDAR Plan for all subsequent time periods during which the 12 consecutive month period sum of source-wide trichloroethylene inventory loss remains less than 125 tons per year.

D.1.2 PSD Minor Limit [326 IAC 2-2]

(a) The source shall limit non-fugitive VOC emissions from the Sub-Micro Lines 3, 4, and 6 (SM-3, SM-4, and SM-6) to less than 248 tons per twelve (12) month consecutive period.

(b) Compliance with the requirements of 326 IAC 8-1-6 (BACT) will ensure compliance with this limit.

Compliance with these requirements will limit the sourcewide non-fugitive emissions to less than 250 tons per year and render the requirements of 326 IAC 2-2 (PSD) not applicable.

D.1.3 Volatile Organic Compounds (VOC) Operational Requirement

Pursuant to EPA Administrative Consent Order No. EPA-5-06-113(a)-IN-03, all off-specification material that is removed from SM Lines 3, 4 and 6 as a result of start-ups, wet folds, or web breaks shall be placed in the trichloroethylene recovery system (smokehouse) identified as Unit ID #9.4.

D.1.4 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

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

Compliance Determination Requirements

D.1.5 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

(a) The Permittee shall perform VOC testing of the carbon adsorption system (CAS) utilizing Method 25/ 25A (40 CFR 60, Appendix A) or other methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of a valid compliance demonstration. The most recent valid compliance demonstration was performed in April 4, 2007. In addition to these requirements, IDEM may require compliance testing when necessary to determine if the facility is in compliance.

D.1.6 Volatile Organic Compounds (VOCs)

(a) The CAS shall be operated at all times when the oil extraction systems for SM-3, SM-4, and SM-6 (ID #s 9.1, 9.2 and 9.3), storage tanks (ID #s 11.1 through 11.6), aerosol addition systems for SM-3, SM-4 and SM-6, and the trichloroethylene recovery system (smokehouse, Unit ID #9.4) are operated.

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.1.7 Process Emissions and Carbon Adsorption System Emissions [40 CFR Part 64]

Pursuant to 40 CFR Part 64 (CAM) and to ensure compliance with Conditions D.1.1(a) and D.1.1(b) the following compliance monitoring is required:

(a) The carbon adsorption system (CAS) shall be equipped with a continuous exhaust gas flow rate monitor. The Permittee shall take daily instantaneous measurements of the outlet VOC concentration of the CAS (using a handheld photo- ionization detector or comparable device) and at the same time record the value of the CAS exhaust gas flow rate. Provided the CAS exhaust gas flow rate is less than or equal to 2,500 cubic feet per minute (cfpm), compliance is indicated if the CAS outlet VOC concentration is less than 100 ppmv , and no measurement of the CAS inlet VOC concentration or calculation of CAS efficiency is required for that day. If the outlet CAS VOC concentration is greater than 100 ppmv, then a daily grab measurement of the CAS inlet VOC concentration (using a colorimetric tube analysis) shall also be taken and the CAS control efficiency calculated to provide an indication of compliance. CAS control efficiency shall be calculated using the VOC concentration data as follows:

CAS Efficiency (%) = $[(CAS_{inlet} – CAS_{outlet})/ (CAS_{inlet})] \times 100$
Daily measurements of CAS exhaust gas flow rate and VOC inlet and outlet concentration(s) shall be taken within the final 30 minutes of a carbon bed cycle and shall be taken when the CAS cooling air blower is not operating. The CAS cooling air blower is not operating when the measured CAS exhaust gas flow rate is less than or equal to 2,500 cfpm. In the event that the outlet VOC concentration is greater than 100 ppmv and the CAS efficiency is less than 95%, the Permittee shall perform reasonable response steps to achieve 95% CAS efficiency. The Permittee shall continue to make daily CAS

efficiency calculations until a CAS efficiency of 95% or more is achieved for seven (7) consecutive operating days. Upon achieving a CAS efficiency of 95% or more for seven (7) consecutive operating days, the Permittee may resume daily measurement of the outlet VOC concentration.

(b) The Permittee shall control trichloroethylene inventory losses by monitoring the trichloroethylene inventory, including but not limited to purchases, releases off-site, and emissions from startups, shutdowns, and process and air pollution control equipment malfunctions, so that the twelve (12) consecutive month period sum of plant-wide trichloroethylene inventory loss does not exceed 141 tons per year. Losses of trichloroethylene resulting from events which are unrelated to process and air pollution control equipment operation and are sudden, reasonably unforeseeable, and beyond the Permittee's reasonable control, including but not limited to power failures, severe weather, and transportation-related accidents, shall not be included in the inventory loss calculation.

Compliance with the above monitoring condition shall also satisfy the requirements of 40 CFR 64, Compliance Assurance Monitoring for the oil extraction systems for SM-3, SM-4, and SM-6.

D.1.8 Carbon Adsorption Failure Detection [40 CFR Part 64]

In the event that carbon adsorber failure has been observed:

Failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions). Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. Failure to take response steps shall be considered a deviation from this permit.

Compliance with the above monitoring condition shall also satisfy the requirements of 40 CFR 64, Compliance Assurance Monitoring for the oil extraction systems for SM-3, SM-4, and SM-6.

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

D.1.9 Record Keeping Requirements

(a) To document the compliance status with Conditions D.1.1(a) and D.1.7, the Permittee shall maintain records in accordance with (1) through (5). Records of all data and operating parameters shall be complete and sufficient to establish compliance with the limits established in Condition D.1.1(a) and the monitoring conditions established in Condition D.1.7.

(1) Daily measurement of CAS outlet VOC concentration;

(2) Daily measurement of CAS exhaust gas flow rate;

(3) All measurements of CAS inlet VOC concentrations and calculations of CAS control efficiency made pursuant to Condition D.1.7(a);

(4) Records of monthly source-wide trichloroethylene inventory losses made pursuant to Condition D.1.7(b); and

(5) Records of the date, quantity and cause of each such loss of trichloroethylene excluded from the inventory loss calculation pursuant to Condition D.1.6(b).

(b) To document the compliance status with Condition D.1.1(b)(2), the Permittee shall maintain the records required by the LDAR.

(c) Section C - General Record Keeping Requirements contains the Permittee's obligation with regard to the records required by this condition.

D.1.10 Reporting Requirements

A quarterly summary of the information to document the compliance status with Condition D.1.2(a) shall be submitted to the addresses listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a “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)]

(a) Sub-Micro (SM) Line 3 , installed in 1979, and Sub-Micro (SM) Line 4, installed in 1984, consisting of the following equipment:

(1) Four (4) silos, identified as Unit ID #=s 4.1-4.4, used to store either polyethylene or silica, each with a maximum storage capacity of 168, 168, 75, and 75 tons, respectively, each utilizing a bin filter (Unit ID #s 4.1-4.4) for particulate matter control, each exhausting through one (1) stack, identified as S/V ID #s 4, 5, 6, and 7, respectively;

(2) Two (2) day bins, identified as Unit ID #s 6.1 and 6.2, used to store silica and polyethylene, respectively, each with a maximum storage capacity of 2.4 and 0.125 tons, respectively, each utilizing a bin filter (Unit ID #s 6.1 and 6.2) for particulate matter control, each exhausting through one (1) stack, identified as S/V ID #s 10 and 11, respectively;

(3) One (1) silo dilute phase transporter, identified as Unit ID #3.1, constructed in 2008, used to convey silica from rail cars to silo #s 4.2-4.5, utilizing a baghouse (Unit ID # 3.1) for particulate control, exhausting through one (1) stack, identified as S/V ID # 3;

(4) One (1) silica transporter, identified as Unit ID # 5.1, constructed in 1979, used to convey silica from silos 4.3, 4.4, and 4.5 to silica day bin #=s 6.1 and 6.2, utilizing a baghouse (Unit # 5.1) for particulate matter control, each exhausting through one (1) stack, identified as S/V ID # 9;

(b) Sub-Micro (SM) Line 6, installed in 1991, consists of the following equipment:

(1) One (1) silo, identified as Unit ID # 4.5, used to store silica, with a maximum storage capacity of 75 tons, utilizing a bin filter (Unit ID # 4.5) for particulate matter control, exhausting through one (1) stack, identified as S/V ID # 8; and

(2) Two (2) day bins, identified as Unit ID #s 7.1 and 7.2, used to store silica and polyethylene, respectively, each with a maximum storage capacity of 2.4 and 0.125 tons, respectively, each utilizing a bin filter (Unit ID #s 7.1 and 7.2) for particulate matter control, each exhausting through one (1) stack, identified as S/V ID #s 12 and 13, respectively.

(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 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable PM emission rate from the five (5) silos, four (4) day bins, and two (2) transporters shall not exceed the following pounds per hour when operating at the appropriate process weight rate in tons per hour:

(a) The allowable particulate matter emissions from the four (4) silos (ID #s 4.1 - 4.4), two (2) day bins (ID #s 6.1 and 6.2), the silo dense phase transporter (ID #3.1) and the SM 3/4 silica transporter for SM-3 and SM-4 (ID # 5.1) shall each not exceed 22.91 pounds per hour, when operating at a process weight rate of 13.04 tons per hour.

(b) The allowable particulate matter emissions from the one (1) silo (ID #4.5) and two (2) day bins (ID #s 7.1 and 7.2) for SM-6 shall each not exceed 5.09 pounds per hour, when operating at a process weight rate of 1.38 tons per hour.

The pounds per hour limitations were calculated with the following equation:

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

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

D.2.2 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

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

Compliance Determination Requirements

D.2.3 Particulate Control

(a) The bin filters for the five (5) silos (ID #s 4.1 - 4.5) and four (4) day bins (ID #s 6.1, 6.2, 7.1 and 7.2), and the baghouses for the two (2) transporters (ID #s 3.1 and 5.1) for particulate control shall be in operation at all times when the units are in operation.

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

Compliance Monitoring Requirements [326 IAC 2-7-6 (1)] [326 IAC 2-7-5 (1)]

D.2.4 Visible Emissions Notations [40 CFR Part 64]

(a) Daily visible emission notations of the five (5) silos (ID #s 4.1 - 4.5), four (4) day bins (ID #s 6.1, 6.2, 7.1 and 7.2), and two (2) transporters (ID #s 3.1 and 5.1) stack exhausts shall be performed once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.

(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

(e) If abnormal emissions are observed, the Permittee shall take reasonable response steps. Section C- Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. Failure to take response steps shall be considered a deviation from this permit.

Compliance with the above monitoring condition shall also satisfy the requirements of 40 CFR 64, Compliance Assurance Monitoring for the three (3) silos (Unit #s 4.3 – 4.5), and one (1) transporter (Unit # 3.1).

D.2.5 Parametric Monitoring [40 CFR Part 64]

The Permittee shall record the pressure drop across the bin filters and baghouses used in conjunction with the five (5) silos (ID #s 4.1 - 4.5), four (4) day bins (ID #s 6.1, 6.2, 7.1 and 7.2), and two (2) transporters (ID #s 3.1 and 5.1), at least once per day when the five (5) silos, four (4) day bins, and two (2) transporters are in operation. When for any one (1) reading, the pressure drop across the bin filters and baghouses is outside the normal range of 1.0 and 7.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps. Section C- Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps shall be considered a deviation from this permit.

The instrument used for determining the pressure shall comply with Section C - Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ and shall be calibrated at least once every six (6) months.

Compliance with the above monitoring condition shall also satisfy the requirements of 40 CFR 64, Compliance Assurance Monitoring for the three (3) silos (Unit #s 4.3 – 4.5), and one (1) transporter (Unit # 3.1).

D.2.6 Broken or Failed Bag Detection [40 CFR Part 64]

(a) For a single compartment baghouse or bin filter controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

(b) For a single compartment baghouse or bin filter controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the line. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Bag or filter failure can be indicated by a significant drop in the baghouse's or bin filter's pressure reading with abnormal visible emissions, by an opacity violation, or by other means such as gas temperature, flow rate, air infiltration, leaks, dust traces or triboflows.

Compliance with the above monitoring condition shall also satisfy the requirements of 40 CFR 64, Compliance Assurance Monitoring for the three (3) silos (Unit #s 4.3 – 4.5), and one (1) transporter (Unit # 3.1).

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

D.2.7 Record Keeping Requirements

(a) To document the compliance status with Condition D.2.4, the Permittee shall maintain records of daily visible emission notations of the five (5) silos, four (4) day bins, and two (2) transporters stack exhausts. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation, (i.e. the process did not operate that day).

(b) To document the compliance status with Condition D.2.5, the Permittee shall maintain daily records of the pressure drop during normal operation. The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of a pressure drop reading, (i.e. the process did not operate that day).

(c) Section C - General Record Keeping Requirements contains the Permittee's obligation with regard to the records required by this condition.

SECTION D.3 FACILITY OPERATION CONDITIONS

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

One (1) boiler, identified as Unit ID # 1.1, constructed in 1979, with a maximum heat input capacity of 12.553 MMBtu per hour, combusting natural gas or No. 2 fuel oil, exhausting through one (1) stack, identified as S/V ID # 1.

(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.3.1 Particulate Matter Limitation (PM) [326 IAC 6-2-3]

Pursuant to 326 IAC 6-2-3 (e) (Particulate Emission Limitations for Sources of Indirect Heating) the PM from the 12.553 MMBtu per hour heat input boiler (Unit ID # 1.1) shall be limited to 0.6 pounds per MMBtu heat input.

Compliance Monitoring Requirements [326 IAC 2-7-6 (1)] [326 IAC 2-7-5 (1)]

D.3.2 Visible Emissions Notations

(a) Daily visible emission notations of the boiler (Unit ID # 1.1) stack exhaust shall be performed during normal daylight operations when burning No. 2 fuel oil. A trained employee shall record whether emissions are normal or abnormal.

(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

(e) If abnormal emissions are observed, the Permittee shall take reasonable response steps. Section C- Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. Failure to take response steps shall be considered a deviation from this permit.

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

D.3.3 Record Keeping Requirements

(a) To document the compliance status with Condition D.3.2, the Permittee shall maintain records of daily visible emission notations of the boiler (Unit ID # 1.1) stack exhaust when burning No. 2 fuel oil. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation, (i.e. the process did not operate that day).

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

D.3.4 Reporting Requirements

The natural gas boiler certification 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 its equivalent, within thirty (30) days after the end of the six (6) month period being reported. The natural gas-fired boiler certification does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a “responsible official” as defined by 326 IAC 2-7-1(34).

SECTION D.4 FACILITY OPERATION CONDITIONS

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

One (1) boiler, identified as Unit ID # 2.1, constructed in 1991, with a maximum heat input capacity of 20.922 MMBtu per hour, combusting natural gas or No. 2 fuel oil, exhausting through one (1) stack, identified as S/V ID # 2.

(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.4.1 Particulate Matter Limitation (PM) [326 IAC 6-2-4]

Pursuant to 326 IAC 6-2-4 (Particulate Emission Limitations for Sources of Indirect Heating) the PM emissions from the 20.922 MMBtu per hour boiler (Unit ID # 2.1) shall be limited to 0.44 pounds per MMBtu heat input.

This limitation is based on the following equation:

$$Pt = \frac{1.09}{Q^{0.26}}$$

where: Pt = Pounds of particulate matter emitted per MMBtu heat input.
Q = Total source maximum operating capacity rating in MMBtu per hour.

D.4.2 Sulfur Dioxide (SO2) [326 IAC 7-1.1-1] [326 IAC 7-2-1]

(a) Pursuant to 326 IAC 7-1.1 (SO2 Emissions Limitations) the SO2 emissions from the 20.922 MMBtu per hour boiler shall not exceed five-tenths (0.5) pounds per MMBtu heat input or a sulfur content of less than or equal to 0.5% when using distillate oil.

(b) Pursuant to 326 IAC 7-2-1, compliance shall be demonstrated on a monthly average.

D.4.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

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

Compliance Determination Requirements

D.4.4 Sulfur Dioxide Emissions and Sulfur Content

Compliance with Condition D.4.2 shall be determined utilizing one of the following options:

(a) Pursuant to 326 IAC 3-7-4, the Permittee shall demonstrate that the sulfur dioxide emissions do not exceed five-tenths (0.5) pound per million Btu heat input by:

(1) Providing vendor analysis of fuel delivered, if accompanied by a vendor certification, or;

(2) Analyzing the oil sample to determine the sulfur content of the oil via the procedures in 40 CFR 60, Appendix A, Method 19.

(A) Oil samples may be collected from the fuel tank immediately after the fuel tank is filled and before any oil is combusted; and

(B) If a partially empty fuel tank is refilled, a new sample and analysis would be required upon filling.

(b) Compliance may also be determined by conducting a stack test for sulfur dioxide emissions from the boiler using 40 CFR 60, Appendix A, Method 6 in accordance with the procedures in 326 IAC 3-6.

A determination of noncompliance pursuant to any of the methods specified in (a) or (b) above shall not be refuted by evidence of compliance pursuant to the other method.

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.4.5 Visible Emissions Notations

(a) Daily visible emission notations of the boiler (Unit ID # 2.1) stack exhaust shall be performed once per day during normal daylight operations when burning No. 2 fuel oil. A trained employee shall record whether emissions are normal or abnormal.

(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

(e) If abnormal emissions are observed, the Permittee shall take reasonable response steps. Section C- Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. Failure to take response steps shall be considered a deviation from this permit.

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

D.4.6 Record Keeping Requirements

(a) To document the compliance status with Condition D.4.2, the Permittee shall maintain records in accordance with (1) through (6) below. Records maintained for (1) through (6) shall be taken monthly and shall be complete and sufficient to establish compliance with the SO2 emission limit established in Condition D.4.2.

(1) Calendar dates covered in the compliance determination period;

(2) Actual fuel oil usage since last compliance determination period and equivalent sulfur dioxide emissions;

(3) To certify compliance when burning natural gas only, the Permittee shall maintain records of fuel used.

If the fuel supplier certification is used to demonstrate compliance, when burning alternate fuels and not determining compliance pursuant to 326 IAC 3-7-4, the following, as a minimum, shall be maintained:

(4) Fuel supplier certifications;

(5) The name of the fuel supplier; and

(6) A statement from the fuel supplier that certifies the sulfur content of the fuel oil.

(b) Pursuant to 326 IAC 12, the Permittee shall maintain daily records of the amount and type of fuel combusted by the boilers. This condition expires when the transitions made to 40 CFR 60, Subpart Dc as amended on February 27, 2006, becomes an Indiana law. This condition is not federally enforceable.

(c) To document the compliance status with Condition D.4.5, the Permittee shall maintain records of daily visible emission notations of the boiler (Unit ID # 2.1) stack exhaust when burning No. 2 fuel oil. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation, (i.e. the process did not operate that day).

(d) Section C - General Record Keeping Requirements contains the Permittee's obligation with regard to the records required by this condition.

D.4.7 Reporting Requirements

The natural gas boiler certification 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 its equivalent, within thirty (30) days after the end of the six (6) month period being reported. The natural gas-fired boiler certification does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a “responsible official” as defined by 326 IAC 2-7-1(34).

SECTION D.5 FACILITY OPERATION CONDITIONS

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

One (1) silo dilute phase transporter, identified as Unit ID #13, installed in 2000, used to convey polyethylene pneumatically from rail cars to a silo, utilizing a bin filter for particulate control and exhausting through one (1) stack, identified as S/V ID #20.

(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.5.1 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the silo dilute phase transporter (Unit ID #13) shall not exceed 5.68 pounds per hour when operating at a process weight rate of 1.625 tons per hour.

The pounds per hour limitation was calculated with the following equation:

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

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

D.5.2 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

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

Compliance Determination Requirements

D.5.3 Particulate Control

(a) The control device for particulate control shall be in operation and control emissions from the facility at all times that the facility is in operation.

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

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.5.4 Visible Emissions Notations

(a) Visible emission notations of the silo dilute phase transporter (Unit ID #13) stack exhaust shall be performed once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.

(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

(e) If abnormal emissions are observed, the Permittee shall take reasonable response steps. Section C- Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. Failure to take response steps shall be considered a deviation from this permit.

D.5.5 Parametric Monitoring

The Permittee shall record the pressure drop across the bin filter used in conjunction with the silo dilute phase transporter (Unit ID #13), at least once per day when systems are in operation. When for any one reading, the pressure drop across the bin filter is outside the normal range of 1.0 to 7.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps. Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps shall be considered a deviation from this permit.

The instrument used for determining the pressure shall comply with Section C - Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ and shall be calibrated at least once every six (6) months.

D.5.6 Broken or Failed Bin Filter Detection

(a) For a single compartment bin filter controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

(b) For a single compartment bin filter controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the line. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Filter failure can be indicated by a significant drop in the bin filter's pressure reading with abnormal visible emissions, by an opacity violation, or by other means such as gas temperature, flow rate, air infiltration, leaks, dust traces or triboflows.

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

D.5.7 Record Keeping Requirements

(a) To document the compliance status with Condition D.5.4, the Permittee shall maintain daily records of visible emission notations of the silo dilute phase transporter (Unit ID #13) stack exhaust. The Permittee shall include in its daily record when a visible emission

notation is not taken and the reason for the lack of visible emission notation, (i.e. the process did not operate that day).

(b) To document the compliance status with Condition D.5.5, the Permittee shall maintain daily records of the pressure drop during normal operation for the bin filter used in conjunction with the silo dilute phase transporter (Unit ID #13). The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of a pressure drop reading, (i.e. the process did not operate that day).

(c) Section C - General Record Keeping Requirements contains the Permittee's obligation with regard to the records required by this condition.

SECTION D.6 FACILITY OPERATION CONDITIONS

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

(a) One (1) polyethylene weigh bin line 3 with maximum weighing capacity of 345 pounds per hour, installed in 2004, equipped with a baghouse for particulate control and exhausting through one (1) stack identified as F05.1;

(b) One (1) silica weigh bin line 3 with maximum weighing capacity of 800 pounds per hour, installed in 2004, equipped with a baghouse for particulate control and exhausting through one (1) stack identified as F01.1;

(c) One (1) polyethylene weigh bin line 4 with maximum weighing capacity of 345 pounds per hour, installed in 2004, equipped with a baghouse for particulate control and exhausting through one (1) stack identified as F05.2; and

(d) One (1) silica weigh bin line 4 with maximum weighing capacity of 800 pounds per hour, installed in 2004, equipped with a baghouse for particulate control and exhausting through one (1) stack identified as F01.2.

(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.6.1 Particulate [326 IAC 6-3]

The particulate emissions from the emission units listed in the table below shall be limited by the following:

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

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

The allowable emissions for each facility operating at its maximum process weight rate are as follows:

Facilities	Process Weight Rate (tons/hr)	PM Allowable Emissions (lb/hr)
Polyethylene weigh bin line 3 (F05.1)	0.1725	1.26
Silica weigh bin line 3 (F01.1)	0.40	2.20
Polyethylene weigh bin line 4 (F05.2)	0.1725	1.26
Silica weigh bin line 4 (F01.2)	0.40	2.20

D.6.2 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

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

Compliance Determination Requirements

D.6.3 Particulate Control

(a) The baghouses for particulate control identified as F05.1, F01.1, F05.2 and F01.2 shall be in operation and control emissions from the polyethylene and silica weigh bin lines 3 and 4 at all times that these facilities are in operation.

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

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.6.4 Visible Emissions Notations [40 CFR Part 64]

(a) Visible emission notations of the F05.1, F01.1, F05.2, and F01.2 baghouse stack exhausts shall be performed once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.

(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

(e) If abnormal emissions are observed, the Permittee shall take reasonable response steps. Section C- Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. Failure to take response steps shall be considered a deviation from this permit.

Compliance with the above monitoring condition shall also satisfy the requirements of 40 CFR 64, Compliance Assurance Monitoring for weigh bin lines 3 and 4.

D.6.5 Parametric Monitoring [40 CFR Part 64]

The Permittee shall record the pressure drop across each of the baghouses identified as F05.1, F01.1, F05.2, and F01.2, at least once per day when systems are in operation. When for any one reading, the pressure drop across the baghouses is outside the normal range of 1.0 to 7.0 inches of water, or a range established during the latest stack test, the Permittee shall take reasonable response steps. Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps shall be considered a deviation from this permit.

The instrument used for determining the pressure shall comply with Section C - Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ and shall be calibrated at least once every six (6) months.

Compliance with the above monitoring condition shall also satisfy the requirements of 40 CFR 64, Compliance Assurance Monitoring for weigh bin lines 3 and 4.

D.6.6 Broken or Failed Bag Detection [40 CFR Part 64]

(a) For a single compartment baghouse controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

(b) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the line. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Bag failure can be indicated by a significant drop in the baghouse's pressure reading with abnormal visible emissions, by an opacity violation, or by other means such as gas temperature, flow rate, air infiltration, leaks, dust traces or triboflows.

Compliance with the above monitoring condition shall also satisfy the requirements of 40 CFR 64, Compliance Assurance Monitoring for weigh bin lines 3 and 4.

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

D.6.7 Record Keeping Requirements

(a) To document the compliance status with Condition D.6.4, the Permittee shall maintain daily records of visible emission notations of the baghouse F05.1, F01.1, F05.2, and F01.2 stack exhausts. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation, (i.e. the process did not operate that day).

(b) To document the compliance status with Condition D.6.5, the Permittee shall maintain daily records of the pressure drop during normal operation for each baghouse. The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of a pressure drop reading, (i.e. the process did not operate that day).

(c) Section C - General Record Keeping Requirements contains the Permittee's obligation with regard to the records required by this condition.

SECTION E.1 FACILITY OPERATION CONDITIONS

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

(a) Sub-Micro (SM) Lines 3, 4 and 6 support equipment, consisting of storage tanks (Unit ID #s 11.1 through 11.6) and a trichloroethylene (TCE) recovery system (smokehouse) Unit ID #9.4.

Under NESHAP Subpart EEEE, the trichloroethylene (TCE) recovery system (smokehouse) Unit ID # 9.4 is considered an existing affected source.

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

National Emission Standards for Hazardous Air Pollutants (NESHAP) Requirements [326 IAC 2-7-5(1)]

E.1.1 General Provisions Relating to NESHAP EEEE [40 CFR Part 63, Subpart A]

Pursuant to 40 CFR 63.2398, the Permittee shall comply with the provisions of 40 CFR Part 63, Subpart A – General Provisions, as specified in Table 12 of 40 CFR Part 63, Subpart EEEE in accordance with schedule in 40 CFR 63 Subpart EEEE.

E.1.2 NESHAP Subpart EEEE Requirements [40 CFR Part 63, Subpart EEEE]

Pursuant to 40 CFR Part 63, Subpart EEEE, the Permittee shall comply with the provisions of 40 CFR Part 63.2330, as specified below. The entire text of 40 CFR 63, Subpart EEEE is included as Attachment B to this permit.

(1) 40 CFR 63.2330
(2) 40 CFR 63.2334
(3) 40 CFR 63.2338
(4) 40 CFR 63.2342(b)(1)
(5) 40 CFR 63.2343(b), (c), (d)
(6) 40 CFR 63.2350
(7) 40 CFR 63.2382(a), (b)(1)
(8) 40 CFR 63.2386(a), (b), (c)(1) through (4), (c)(10)
(9) 40 CFR 63.2390(a)
(10) 40 CFR 63.2394
(11) 40 CFR 63.2398
(12) 40 CFR 63.2402
(13) 40 CFR 63.2406
(14) Applicable Portions of Table 1 of Subpart EEEE
(15) Applicable Portions of Table 12 of Subpart EEEE

E.1.3 One Time Deadlines Relating to NESHAP EEEE

(a) The Permittee submitted Initial Notification on November 9, 2006 [40 CFR 63.2382(b)].

(b) The Permittee shall conduct initial compliance demonstrations no later than February 3, 2007 [40 CFR 63.2342].

(c) The Permittee shall submit first Semi-annual Compliance Report no later than July 31, 2007 [40 CFR 63.2386(b)(1)(ii)].

SECTION E.2 FACILITY OPERATION CONDITIONS

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

One (1) boiler, identified as Unit ID # 2.1, constructed in 1991, with a maximum heat input capacity of 20.922 MMBtu per hour, combusting natural gas or No. 2 fuel oil, exhausting through one (1) stack, identified as S/V ID # 2.

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

New Source Performance Standards (NSPS) Requirements [326 IAC 2-7-5(1)]

E.2.1 General Provisions Relating to New Source Performance Standards (NSPS) for Small Industrial-Commercial-Institutional Steam Generating Units [326 IAC 12-1][40 CFR Part 60, Subpart A] [40 CFR Part 60, Subpart Dc]

Pursuant to 40 CFR 60, Subpart Dc, the Permittee shall comply with the provisions of 40 CFR Part 60, Subpart A – General Provisions, which are incorporated by reference as 326 IAC 12-1-1 for the for the boiler (Unit ID # 2.1) as specified in Appendix A of 40 CFR Part 60, in accordance with the schedule in 40 CFR 60, Subpart Dc.

E.2.2 New Source Performance Standards (NSPS) for Small Industrial-Commercial-Institutional Steam Generating Units [40 CFR Part 60, Subpart Dc]

Pursuant to 40 CFR Part 60, Subpart Dc, the Permittee shall comply with the provisions of 40 CFR Part 60, Subpart Dc, which are incorporated by reference as 326 IAC 12-1 for the boiler (Unit ID # 2.1). The entire text of 40 CFR 60, Subpart Dc is included as Attachment A to this permit.

(1) 40 CFR 60.40c
(2) 40 CFR 60.41c
(3) 40 CFR 60.42c(d), (g), (h)(1), (i), and (j)
(4) 40 CFR 60.44c(a), (b), (g), (h)
(5) 40 CFR 60.46c(e)
(6) 40 CFR 60.48c(a), (b), (d), (e)(1) through (e)(11), (f)(1), (g)(1), (g)(2), (i), and (j)

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY

PART 70 OPERATING PERMIT
CERTIFICATION

Source Name: Daramic, LLC
Source Address: 3430 Cline Road NW, Corydon, Indiana, 47112
Part 70 Permit No.: T-061-18304-00012

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 AND ENFORCEMENT BRANCH
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
Phone: 317-233-0178
Fax: 317-233-6865

PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT

Source Name: Daramic, LLC
Source Address: 3430 Cline Road NW, Corydon, Indiana, 47112
Part 70 Permit No.: T-061-18304-00012

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

☐ This is an emergency as defined in 326 IAC 2-7-1(12)

X 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

X 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
Type of Pollutants Emitted: TSP, PM-10, SO_2, VOC, NO_X, CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by:

Title / Position:

Date:

Phone:

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

PART 70 OPERATING PERMIT
SEMI-ANNUAL NATURAL GAS FIRED BOILER CERTIFICATION

Source Name: Daramic, LLC
Source Address: 3430 Cline Road NW, Corydon, Indiana, 47112
Part 70 Permit No.: T-061-18304-00012

☐ Natural Gas Only ☐ Alternate Fuel burned From:_____ To:_____

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 AND ENFORCEMENT BRANCH

Part 70 Quarterly Report

Source Name: Daramic, LLC
Source Address: 3430 Cline Road NW, Corydon, Indiana 47112
Part 70 Permit No.: T061-18304-00012
Facility: Sub-Micro Lines 3, 4, and 6 (SM-3, SM-4, and SM-6)
Parameter: Non-fugitive VOC Emitted
Limit: Less than 248 tons per twelve (12) consecutive months

QUARTER: YEAR:

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

☐ No deviation occurred in this quarter.

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

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

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

PART 70 OPERATING PERMIT
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT

Source Name: Daramic, LLC
Source Address: 3430 Cline Road NW, Corydon, Indiana, 47112
Part 70 Permit No.: T-061-18304-00012

Months: _____ to _____ Year: _____

Page 1 of 2

This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements of this permit, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. Deviations that are required to be reported by an applicable requirement shall be reported according to the schedule stated in the applicable requirement and do not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".	
☐ NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.	
☐ THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD	
Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

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

Form Completed By:

Title/Position:

Date:

Phone:

Indiana Department of Environmental Management
Office of Air Quality

Technical Support Document (TSD) for a Part 70 Significant Source and Significant Permit Modification

Source Description and Location

Source Name:	Daramic, LLC
Source Location:	3430 Cline Road, Corydon, Indiana 47112-6908
County:	Harrison
SIC Code:	3081
Operation Permit No.:	061-18304-00012
Operation Permit Issuance Date:	February 7, 2008
Significant Source Modification No.:	061-29963-00012
Significant Permit Modification No.:	061-30368-00012
Permit Reviewer:	Anne-Marie C. Hart

Existing Approvals

The source was issued Part 70 Operating Permit No. 061-18304-00012 on February 7, 2008. The source has since received the following approvals:

(a) Significant Source Modification No. 061-26584-00012, issued January 12, 2009;

(b) Significant Permit Modification No. 061-28014-00012, issued February 2, 2009;

(c) Administrative Amendment No. 061-28750-00012, issued January 15, 2010; and

(d) Administrative Amendment No. 061-29665-00012, issued October 19, 2010.

County Attainment Status

The source is located in Harrison County.

Pollutant	Designation
SO_2	Better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O_3	Unclassifiable or attainment effective June 15, 2004, for the 8-hour ozone standard.[1]
PM_{10}	Unclassifiable effective November 15, 1990.
NO_2	Cannot be classified or better than national standards.
Pb	Not designated.
[1]Unclassifiable or attainment effective October 18, 2000, for the 1-hour ozone standard which was revoked effective June 15, 2005. Unclassifiable or attainment effective April 5, 2005, for $PM_{2.5}$.	

(a) Ozone Standards
Volatile organic compounds (VOC) and nitrogen oxides (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. Harrison County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NO_X emissions were reviewed pursuant to the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)).

(b) $PM_{2.5}$
Harrison County has been classified as attainment for $PM_{2.5}$. On May 8, 2008, U.S. EPA promulgated the requirements for Prevention of Significant Deterioration (PSD) for $PM_{2.5}$ emissions. These rules became effective on July 15, 2008. Indiana has three (3) years from the publication of these rules to revise its PSD rules, 326 IAC 2-2, to include those requirements. The May 8, 2008 rule revisions require IDEM to regulate PM_{10} emissions as a surrogate for $PM_{2.5}$ emissions until 326 IAC 2-2 is revised.

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

Fugitive Emissions

Since this type of operation is not one (1) of the twenty-eight (28) listed source categories under 326 IAC 2-2 or 326 IAC 2-7, and there is no applicable New Source Performance Standard that was in effect on August 7, 1980, fugitive emissions are not counted toward the determination of PSD and Part 70 Permit applicability.

Source Status

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

Pollutant	**Emissions** (ton/yr)
PM	127.19
PM_{10}	55.56
SO_2	59.50
Non-fugitive VOC	95.5
CO	12.30
NO_X	20.90
Total HAPs	78.33

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

(b) This existing source is a major source of HAPs, as defined in 40 CFR 63.2, because HAP emissions are greater than ten (10) tons per year for a single HAP and greater than twenty-five (25) tons per year for a combination of HAPs. Therefore, this source is a major source under Section 112 of the Clean Air Act (CAA).

(c) These emissions are based upon Part 70 Operating Permit Renewal T061-18304-00012, issued February 7, 2008.

Description of Proposed Modification

The Office of Air Quality (OAQ) has reviewed a modification application, submitted by Daramic, LLC on December 3, 2010, relating to the reevaluation of the applicability of 326 IAC 8-1-6 (Best Available Control Technology (BACT)) to the extruders on Lines SM4 and SM6.

The following is a list of the affected emission units:

(a) One (1) extruder, identified as Unit ID #8.2, controlled by a precipitative coalescing filter (smog hog) routed to an electronic air cleaner and activated carbon module and exhausting through one (1) stack identified as S/V ID #16; and

(b) One (1) extruder, identified as Unit ID # 8.3, controlled by a precipitative coalescing filter (smog hog) routed to an electronic air cleaner with activated carbon module and exhausting through one (1) stack identified as S/V ID #16.

Enforcement Issues

There are no pending enforcement actions related to this modification.

Emission Calculations

Initial PTE estimates were submitted by the source in 2008 based on engineering estimates. IDEM OAQ has determined that the potential emissions from the extruders serving Sub-Micro (SM) Lines 4 and 6, identified as Unit ID# 8.2 and 8.3, respectively, are best calculated using the VOC input concentration from stack testing performed in November 2007.

The source submitted calculations based on the November 2007 stack test results to show the potential emissions of VOC from the extruders alone. The table below shows the ratio of oil throughput during the stack test in relation to the VOC inlet concentration. This ratio was then adjusted to the maximum oil throughput to determine the potential VOC emissions from the extruders.

Emission Unit	Oil throughput during test (lb/hr)	Inlet VOC concentration during test (lb/hr)	Maximum oil throughput (lb/hr)	Maximum inlet VOC concentration by ratio (lb/hr)	VOC PTE (tons/year)
Unit ID 8.2 (SM4)	1,268.0	1.8	1,421.5	2.018	8.84
Unit ID 8.3 (SM6)	1,376.9	1.5	1,809.3	1.971	8.63
				Total:	**17.47**

Permit Level Determination – Part 70

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as “the maximum capacity of a stationary source or emission unit 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, IDEM, or the appropriate local air pollution control agency.”

There is no increase in the potential to emit of any regulated pollutants associated with this modification. The source is requesting a reevealuation of the applicability of the requirements of

BACT for the extruders serving Sub-Micro (SM) Line 4 (Unit ID# 8.2) and SM Line 6 (Unit ID# 8.3), based on updated emissions information. Therefore, this source modification is subject to 326 IAC 2-7-10.5(f)(2), which states that any modification to a BACT analysis requires a significant source modification. Additionally, the modification will be incorporated into the Part 70 Operating Permit through a significant permit modification issued pursuant to 326 IAC 2-7-12 (d)(1) which states "every significant change in existing monitoring Part 70 permit terms or conditions and every relaxation of reporting or record keeping permit terms or conditions shall be considered significant."

Permit Level Determination – PSD

There is no increase in the potential to emit of any regulated pollutants associated with this modification. Therefore, there are no changes to the PSD status of this source resulting from this modification.

Federal Rule Applicability Determination

There are no changes to the federal rule applicability as a result of this modification.

State Rule Applicability Determination

326 IAC 8-1-6 (Best Available Control Technology (BACT))
Construction Permit CP-061-1935-00012, issued on December 21, 1990, set forth BACT requirements to control all nonfugitive VOC emissions from SM Lines 3, 4 and 6. In summary, the Permittee was to operate a carbon adsorption unit to control VOC emissions with 95% control efficiency at all times that the extruders, oil extraction systems, and aerosol addition systems for SM Lines 3, 4, and 6 were operating and when tanks 11.1 through 11.6 were used. These conditions were incorporated into the first Title V Operating Permit for the source: T061-5983-00012, issued on September 7, 1999, as permit Condition D.1.1(c)(1).

On March 28, 2005, the U.S. EPA issued a finding of violation to Daramic, alleging that the source had violated the requirements of its Title V Operating Permit, specifically the BACT conditions therein, by failing to control VOC emissions from SM Lines 3, 4, and 6 to 95% control efficiency. In March of 2006, Daramic entered into an Administrative Consent Order and Consent Agreement with the EPA that required Daramic, in part, to apply to IDEM, OAQ, and evaluate the VOC emissions specifically from the extruders on SM Lines 4 and 6 to determine the applicability of 326 IAC 8-1-6 (BACT). Daramic's application for source and permit modification included an engineering estimate of 58.82 tons per year for the PTE of VOC emitted from the extruders and resulted in a BACT Analysis that was incorporated into Significant Source Modification No. 061-23287-00012, issued April 2, 2007, and Significant Permit Modification No. 061-23800-00012, issued May 23, 2007.

It was established in the Administrative Consent Order and Consent Agreement that the VOC emissions from the open areas around the extruder die exits on SM Lines 4 and 6 had not previously been captured and sent to the existing carbon adsorption unit because the oil mist contained in those emissions would foul the carbon system. A different approach was sought and the BACT requirements contained in Daramic's Significant Source Modification No. 061-23287-00012, issued on April 2, 2007, and Significant Permit Modification No. 061-23800-00012, issued on May 23, 2007, stated that a precipitative coalescing filter (Smog Hog) would be used to control the oil mist from the die extruder exit, and presumably, would control the VOC contained within that oil mist, citing an overall control efficiency of 76%. A stack test performed following the issuance of the two (2) modifications determined that little to no capture of the VOC was occurring with the use of the Smog Hog. After further investigation, it was confirmed that the Smog Hog does not destruct VOC; it merely captures the particulate oil mist from the air stream, leaving much of the VOC emissions to be released at the outlet.

Daramic applied for a Significant Source and Permit Modification to incorporate additional control devices in series to attempt to control the VOC emissions from the die exits of the extruders. In Significant Source Modification No, 061-26584-00012, issued Jaunary 12, 2009, the source proposed top BACT to be a precipitative coalescing filter (Smog Hog) routed to an electronic air cleaner with an activated carbon module.

Daramic installed the control technology series as proposed under that BACT analysis, but found that the oil vapors that were not collected in the first parts of the control series were blinding the carbon module, allowing the VOC emissions to surpass the permitted concentration limit of 10 ppm at the outlet. Frequent carbon changes are currently required at an unreasonably burdensome cost to the source to maintain compliance with the BACT limits imposed. Daramic, LLC was issued a Notice of Violation for failed stack tests and repeated violations of permit terms, and entered into an Agreed Order in Case No. 2010-18949-A with IDEM on October 4, 2010.

As a result of the Agreed Order, Daramic submitted an application to reevaluate the applicability of BACT to the die exits on the extruders for Lines SM4 and SM6 on December 3, 2010. Based on discussions with OAQ staff from the Compliance and Enforcement Branch, specifically those involved with the stack testing at Daramic, it was suggested that the potential VOC emissions for the extruders should be calculated using the inlet VOC concentrations determined during the stack tests performed at the source. The Emission Calculations section of this document details the methodology for using the values obtained in the November 2007 stack test.

(a) The potential VOC emissions from the extruders of SM Lines 4 and 6, respectively identified as Unit ID# 8.2 and 8.3, are less than twenty-five (25) tons per year, both individually and in aggregate. Therefore, pursuant to 326 IAC 8-1-6(1), IDEM OAQ has made the determination that the requirements of 326 IAC 8-1-6 (BACT) do not apply to these extruders.

No other portions of the BACT for the Daramic source will be changed with this modification.

Compliance Determination and Monitoring Requirements

Permits issued under 326 IAC 2-7 are required to ensure that sources can demonstrate compliance with all applicable state and federal rules on a continuous basis. All state and federal rules contain compliance provisions; however, these provisions do not always fulfill the requirement for a 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 Determination Requirements are included in the permit. The Compliance Determination Requirements in Section D of the permit are those conditions that are found directly within state and federal rules and the violation of which serves as grounds for enforcement action.

If the Compliance Determination Requirements 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 appropriate corrective actions within a specific time period.

Changes to the compliance determination and monitoring requirements are detailed in the Proposed Changes section of this document.

Proposed Changes

The changes listed below have been made to Part 70 Operating Permit Renewal No. 061-18304-00012. Deleted language appears as ~~strikethroughs~~ and new language appears in **bold**. The Table of Contents is updated as appropriate without reproduction herein.

Modification 1: The descriptive information in Sections A.2 and D.1 is changed to remove the control technology series, as follows:

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

...

(7) One (1) extruder, identified as Unit ID #8.2, ~~controlled by a precipitative coalescing filter (smog hog) routed to an electronic air cleaner and activated carbon module and~~ exhausting through one (1) stack identified as S/V ID #16;

...

(b) Sub-Micro (SM) Line 6, installed in 1991, consisting of the following equipment:

...

(4) One (1) extruder, identified as Unit ID # 8.3, ~~controlled by a precipitative coalescing filter (smog hog) routed to an electronic air cleaner with activated carbon module and~~ exhausting through one (1) stack identified as S/V ID #16;

...

SECTION D.1 FACILITY OPERATION CONDITIONS

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

(a) Sub-Micro (SM) Line 3, installed in 1979, and Sub-Micro (SM) Line 4, installed in 1984, consisting of the following equipment:

...

(3) One (1) extruder, identified as Unit ID #8.2, ~~controlled by a precipitative coalescing filter (smog hog) routed to an electronic air cleaner and activated carbon module and~~ exhausting through one (1) stack identified as S/V ID #16;

...

(b) Sub-Micro (SM) Line 6, installed in 1991, consisting of the following equipment:

...

(2) One (1) extruder, identified as Unit ID # 8.3, ~~controlled by a precipitative coalescing filter (smog hog) routed to an electronic air cleaner with activated carbon module and~~ exhausting through one (1) stack identified as S/V ID #16;

...

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

Modification 2: The BACT requirements previously determined for the extruders for SM Lines 4 and 6 are removed from the permit as follows:

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

...

(c) ~~Pursuant to Significant Permit Modification No. 061-28014-00012 and 326 IAC 8-1-6~~

~~(BACT), the Best Available Control Technology (BACT) for VOC from the die exits of extruders serving SM Line 4 and SM Line 6 (Unit ID #8.2 and Unit ID #8.3, respectively) shall be as follows:~~

~~(1) The VOC emissions from the die exits of extruders serving SM Line 4 and SM Line 6 (Unit ID #8.2 and Unit ID #8.3, respectively) shall be controlled by a control technology series consisting of a precipitative coalescing filter (Smog Hog) routed to an electronic air cleaner with an activated carbon module.~~

~~(2) The VOC emissions from stack S/V ID #16 shall not exceed 2.38 pounds per hour.~~

~~(3) The overall control efficiency for the control technology series consisting of a precipitative coalescing filter (Smog Hog) routed to an electronic air cleaner with an activated carbon module shall be at least 76%, maintained by attaining 80% capture and 95% control efficiencies; or the outlet concentration of VOC shall not exceed ten (10) parts per million (ppm).~~

...

Modification 3: The operating and testing requirements for the control technology series is removed from the permit as follows:

D.1.4 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

...

~~(b) Within 180 days after issuance of this permit, the Permittee shall perform VOC testing including the control efficiency of the control technology series, consisting of a precipitating coalescing filter (smog hog) routed to an electronic air cleaner with activated carbon module, utilizing Method 25/ 25A (40 CFR 60, Appendix A) or other methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of this valid compliance demonstration.~~

...

D.1.5 Volatile Organic Compounds (VOCs)

...

~~(b) The control technology series for the extruders, consisting of a precipitative coalescing filter routed to an electronic air cleaner with activated carbon module shall be operated at all times that the associated extruders (Unit ID #s 8.2 and 8.3) are operated.~~

~~(c) The activated carbon module, operating as part of the control technology series for the extruders (Unit ID #s 8.2 and 8.3), shall be operated and maintained to the manufacturer's specifications. The activated carbon shall be replaced in accordance to a schedule determined using manufacturer specifications and actual operating parameters.~~

...

Modification 4: The record keeping requirement related to the activated carbon module as part of the control technology series is removed from the permit, as follows:

D.1.8 Record Keeping Requirements

...

~~(c) To document the compliance status with Condition D.1.5(c), the Permittee shall maintain records of the carbon replacement, as well as a copy of the engineering determination used to create the carbon replacement schedule.~~

(~~d~~**c**) Section C - General Record Keeping Requirements contains the Permittee's obligation with regard to the records required by this condition.

...

Modification 5: After review of Administrative Consent Order No. EPA-5-06-113(a)-IN-03, IDEM OAQ has determined that the requirement to control emissions of VOC from off-specification material in the smokehouse was inadvertently incorporated as a

BACT requirement, when it should be an operational requirement. Therefore, to correct this, the permit is modified as follows:

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

...

~~(4) Off-specification material that is removed from SM Lines 3, 4 and 6 as a result of start-ups, wet folds, or web breaks shall be placed in the trichloroethylene recovery system (smokehouse), Unit ID #9.4.~~

...

D.1.3 Volatile Organic Compounds (VOC) Operational Requirement

Pursuant to EPA Administrative Consent Order No. EPA-5-06-113(a)-IN-03, all off-specification material that is removed from SM Lines 3, 4 and 6 as a result of start-ups, wet folds, or web breaks shall be placed in the trichloroethylene recovery system (smokehouse) identified as Unit ID #9.4.

D.1.~~3~~**4** Preventive Maintenance Plan [326 IAC 2-7-5(13)]

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

...

Modification 6: The IDEM OAQ has removed the permit conditions for NSPS Dc from Section D.4. These conditions will now be in Section E.2 to maintain consistency in the permit, as follows. The full text of NSPS Dc is still included as Attachment A to the permit, and will not be reproduced herein.

SECTION D.4 FACILITY OPERATION CONDITIONS

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

One (1) boiler, identified as Unit ID # 2.1, constructed in 1991, with a maximum heat input capacity of 20.922 MMBtu per hour, combusting natural gas or No. 2 fuel oil, exhausting through one (1) stack, identified as S/V ID # 2.

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

...

~~**New Source Performance Standards (NSPS) Requirements [326 IAC 2-7-5(1)]**~~

~~D.4.8 General Provisions Relating to New Source Performance Standards (NSPS) for Small Industrial-Commercial-Institutional Steam Generating Units [326 IAC 12-1][40 CFR Part 60, Subpart A] [40 CFR Part 60, Subpart Dc]~~

~~Pursuant to 40 CFR 60, Subpart Dc, the Permittee shall comply with the provisions of 40 CFR Part 60, Subpart A – General Provisions, which are incorporated by reference as 326 IAC 12-1-1 for the for the boiler (Unit ID # 2.1) as specified in Appendix A of 40 CFR Part 60, in accordance with the schedule in 40 CFR 60, Subpart Dc.~~

~~D.4.9 New Source Performance Standards (NSPS) for Small Industrial-Commercial-Institutional Steam Generating Units [40 CFR Part 60, Subpart Dc]~~

~~Pursuant to 40 CFR Part 60, Subpart Dc, the Permittee shall comply with the provisions of 40 CFR Part 60, Subpart Dc, which are incorporated by reference as 326 IAC 12-1 for the boiler (Unit ID # 2.1). The entire text of 40 CFR 60, Subpart Dc is included as Attachment A to this permit.~~

~~(1) 40 CFR 60.40c~~
~~(2) 40 CFR 60.41c~~
~~(3) 40 CFR 60.42c(d), (g), (h)(1), (i), and (j)~~
~~(4) 40 CFR 60.44c(a), (b), (g), (h)~~

~~(5) 40 CFR 60.46c(e)~~
~~(6) 40 CFR 60.48c(a), (b), (d), (e)(1) through (e)(11), (f)(1), (g)(1), (g)(2), (i), and (j)~~

...

SECTION E.2 FACILITY OPERATION CONDITIONS

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

One (1) boiler, identified as Unit ID # 2.1, constructed in 1991, with a maximum heat input capacity of 20.922 MMBtu per hour, combusting natural gas or No. 2 fuel oil, exhausting through one (1) stack, identified as S/V ID # 2.

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

New Source Performance Standards (NSPS) Requirements [326 IAC 2-7-5(1)]

E.2.1 General Provisions Relating to New Source Performance Standards (NSPS) for Small Industrial-Commercial-Institutional Steam Generating Units [326 IAC 12-1][40 CFR Part 60, Subpart A] [40 CFR Part 60, Subpart Dc]

Pursuant to 40 CFR 60, Subpart Dc, the Permittee shall comply with the provisions of 40 CFR Part 60, Subpart A – General Provisions, which are incorporated by reference as 326 IAC 12-1-1 for the for the boiler (Unit ID # 2.1) as specified in Appendix A of 40 CFR Part 60, in accordance with the schedule in 40 CFR 60, Subpart Dc.

E.2.2 New Source Performance Standards (NSPS) for Small Industrial-Commercial-Institutional Steam Generating Units [40 CFR Part 60, Subpart Dc]

Pursuant to 40 CFR Part 60, Subpart Dc, the Permittee shall comply with the provisions of 40 CFR Part 60, Subpart Dc, which are incorporated by reference as 326 IAC 12-1 for the boiler (Unit ID # 2.1). The entire text of 40 CFR 60, Subpart Dc is included as Attachment A to this permit.

(1) 40 CFR 60.40c
(2) 40 CFR 60.41c
(3) 40 CFR 60.42c(d), (g), (h)(1), (i), and (j)
(4) 40 CFR 60.44c(a), (b), (g), (h)
(5) 40 CFR 60.46c(e)
(6) 40 CFR 60.48c(a), (b), (d), (e)(1) through (e)(11), (f)(1), (g)(1), (g)(2), (i), and (j)

...

Conclusion and Recommendation

The construction of this proposed modification shall be subject to the conditions of the attached proposed Part 70 Significant Source Modification No. 061-29963-00012 and Significant Permit Modification No. 061-30368-00012. The staff recommends to the Commissioner that this Part 70 Significant Source and Significant Permit Modification be approved.

IDEM Contact

(a) Questions regarding this proposed permit can be directed to Anne-Marie C. Hart at the Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251 or by telephone at (317) 234-5400 or toll free at 1-800-451-6027, extension 4-5400.

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

(c) For additional information about air permits and how the public and interested parties can participate, refer to the IDEM's Guide for Citizen Participation and Permit Guide on the Internet at: www.idem.in.gov.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

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

TO: Brian Thompson
Daramic, LLC
3430 Cline Road NW
Corydon, IN 47112

DATE: July 7, 2011

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

SUBJECT: Final Decision
Significant Permit Modification
061-30368-00012

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

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

A copy of the final decision and supporting materials has also been sent via standard mail to:
Roger Calloway – Site Manager
OAQ Permits Branch Interested Parties List

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

Final Applicant Cover letter.dot 11/30/07

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We Protect Hoosiers and Our Environment.

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Thomas W. Easterly
Commissioner

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

July 7, 2011

TO: Harrison County Library

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

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

Applicant Name: Daramic, LLC
Permit Number: 061-30368-00012

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

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

Enclosures
Final Library.dot 11/30/07

Mail Code 61-53

IDEM Staff	GHOTOPP 7/7/2011 Daramic, LLC 061-30368-00012 Final			AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING
Name and address of Sender	▶	Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204	Type of Mail: **CERTIFICATE OF MAILING ONLY**	

Line	Article Number	Name, Address, Street and Post Office Address	Postage	Handing Charges	Act. Value (If Registered)	Insured Value	Due Send if COD	R.R. Fee	S.D. Fee	S.H. Fee	Rest. Del. Fee Remarks
1		Brian Thompson Daramic, LLC 3430 Cline Rd NW Corydon IN 47112-6908 (Source CAATS) via confirmed delivery									
2		Roger Calloway Site Mgr Daramic, LLC 3430 Cline Rd NW Corydon IN 47112-6908 *(RO CAATS)*									
3		Harrison County Commissioners 300 North Capital Corydon IN 47112 *(Local Official)*									
4		Harrison County Health Department 266 Atwood St Corydon IN 47112-8402 *(Health Department)*									
5		Mr. Robert Bottom Paddlewheel Alliance P.O. Box 35531 Louisville KY 40232-5531 *(Affected Party)*									
6		Harrison County Library 105 N Capitol Avenue Corydon IN 47112 *(Library)*									
7		Corydon Town Council 113 N. Oak St. Corydon IN 47112 *(Local Official)*									
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