INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

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

TO: Interested Parties / Applicant

DATE: December 4, 2006

RE: Mason Corporation / 089-23504-00094

FROM: Nisha Sizemore
Chief, Permits Branch
Office of Air Quality

Notice of Decision: Approval - Effective Immediately

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

If you wish to challenge this decision, IC 4-21.5-3-7 and IC 13-15-7-3 require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office Environmental Adjudication, 100 North Senate Avenue, Government Center North, Room 1049, Indianapolis, IN 46204, **within eighteen (18) calendar days of the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

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

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

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

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

Enclosures
FNPER-MOD.dot 03/23/06

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Mr. Robert Gurevitz
Mason Corporation
P.O. Box 38
Schererville, Indiana 46375

December 4, 2006

Re: 089-23504-00094
First Minor Permit Revision to FESOP
089-15312-00094

Dear Mr. Gurevitz:

Mason Corporation was issued a Federally Enforceable State Operating Permit (FESOP) on November 15, 2002 for a source manufacturing tin chloride and tin sulfate with control. A letter requesting changes to this permit was received on August 14, 2006. Pursuant to the provisions of 326 IAC 2-8-11.1(d)(4), a minor permit revision to this permit is hereby approved as described in the attached Technical Support Document.

The modification consists of adding a new stannous sulfate process line with control. The new process line is as follows:

One (1) tin sulfate manufacturing line, identified as Mfg-4, constructed in 2006, with a maximum throughput of 13.7 pounds per hour, with emissions controlled by one (1) scrubber, identified as Scrubber #6, and exhausting to stack S-14.

The following construction conditions are applicable to the proposed project:

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

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

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

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

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

Pursuant to 326 IAC 2-8-11.1, this permit shall be revised by incorporating the minor permit revision into the permit. All other conditions of the permit shall remain unchanged and in effect. Please find attached a copy of the revised permit.

Pursuant to Contract No. A305-5-65, IDEM, OAQ has assigned the processing of this application to Eastern Research Group, Inc., (ERG). Therefore, questions should be directed to Mr. Stephen Treimel, ERG, 1600 Perimeter Park Drive, Morrisville, North Carolina 27560, or call (919) 468-7902 to speak directly to Mr. Treimel. Questions may also be directed to Duane Van Laningham at IDEM, OAQ, 100 North Senate Avenue, Indianapolis, Indiana, 46204-2251, or call (800) 451-6027and ask for Duane Van Laningham or extension 3-6878, or dial (317) 233-6878.

Sincerely,

Original signed by

Nisha Sizemore, Chief
Permits Branch
Office of Air Quality

Attachments
ERG/ST
cc: File - Lake County
U.S. EPA, Region V
Lake County Health Department
Northwest Regional Office
Air Compliance Inspector – Rick Massoels
Compliance Data Section
Administrative and Development
Technical Support and Modeling - Michele Boner

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FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) OFFICE OF AIR QUALITY

Mason Corporation
1049 U.S. Highway 41
Schererville, Indiana 46375

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

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

Operation Permit No.: F089-15312-00094	
Issued by: Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: November 25, 2002 Expiration Date: November 25, 2007

First Administrative Amendment No.: 089-19741-00094, issued December 10, 2004
Second Administrative Amendment No.: 089-19070-00094, issued January 24, 2005
Third Administrative Amendment No.: 089-21543-00094, issued July 29, 2005
First Significant Permit Revision No.: 089-22110-00094, issued March 27, 2006
Fourth Administrative Amendment No.: 089-23123-00094, issued June 20, 2006

First Minor Permit Revision No.: 089-23504-00094	Page Affected: 5, 15, 17, 23-26, 28
Original signed by Nisha Sizemore, Chief Permits Branch Office of Air Quality	Issuance Date: December 4, 2006 Expiration Date: November 25, 2007

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SECTION A SOURCE SUMMARY

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

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

The Permittee owns and operates a stationary source manufacturing tin chloride and tin sulfate.

Authorized individual:	Plant Manager
Source Address:	1049 U.S. Highway 41, Schererville, Indiana 46375
Mailing Address:	P.O. Box 38, Schererville, Indiana 46375
General Source Phone:	(219) 865-8040
SIC Code:	2819
County Location:	Lake
Source Location Status:	Nonattainment for 8-hour ozone standard and PM2.5 Attainment for all other criteria pollutants
Source Status:	Federally Enforceable State Operating Permit (FESOP) Minor Source, under PSD and Emission Offset Rules 1 of 28 Source Categories Minor Source under Section 112 of the Clean Air Act

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

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

(a) Two (2) rotary dryers, identified as RD-1 and RD-2, constructed in 1972 and 1975, respectively, each with a maximum throughput of 198.63 pounds per hour, each equipped with a natural gas combustion source with a maximum capacity of 0.75 million British thermal units per hour, with particulate emissions controlled by one (1) baghouse, identified as Baghouse #1, exhausting to stack S-5.

(b) Two (2) rotary dryers, identified as RD-3 and RD-4, constructed in 1980 and 1982, respectively, each with a maximum throughput of 135.83 pounds per hour, each equipped with a natural gas combustion source with a maximum capacity of 0.75 million British thermal units per hour, with particulate emissions controlled by two (2) baghouses, identified as Baghouse #4 and Baghouse #5, respectively, exhausting to Stack S-15 and S-16, respectively.

(c) Two (2) rotary dryers, identified as RD-5 and RD-6, constructed in 1987 and 1990, respectively, each with a maximum throughput of 135.83 pounds per hour, each equipped with a natural gas combustion source with a maximum capacity of 0.75 million British thermal units per hour, with particulate emissions controlled by one (1) baghouse, identified as Baghouse #2, and exhausting to stack S-6.

(d) Two (2) fusion reactors, identified as FR-1 and FR-2, constructed in 1997 and 2000, respectively, with a maximum throughput of 180.29 and 600.96 pounds per hour, respectively, each equipped with a natural gas combustion source with a maximum capacity of 1.45 and 1.66 million British thermal units per hour, respectively, with emissions controlled by three (3) scrubbers, identified as Scrubber #1, Scrubber #2, and Scrubber #6, and exhausting to stacks S-7, S-8, and S-17, respectively.

(e) Two (2) tin chloride manufacturing lines, identified as Mfg-1 and Mfg-2, constructed in 1987 and 1986, respectively, with a maximum throughput of 5.82 and 2.74 pounds per hour, respectively, with emissions controlled by three (3) scrubbers, identified as Scrubber #3, Scrubber #4, and Scrubber #7, and exhausting to stacks S-11, S-12, and S-18.

(f) One (1) tin sulfate manufacturing line in the R&D Department, identified as Mfg-3, constructed in 1991, with a maximum throughput of 2.74 pounds per hour, with emissions controlled by one (1) scrubber, identified as Scrubber #5, and exhausting to stack S-13.

(g) One (1) tin sulfate manufacturing line, identified as Mfg-4, constructed in 2006, with a maximum throughput of 13.7 pounds per hour, with emissions controlled by one (1) scrubber, identified as Scrubber #6, and exhausting to stack S-14.

(h) One (1) paint booth, identified as PB-1, constructed in 1992, coating fiber and plastic drums and cylinders, with particulate emissions controlled by dry filters, and exhausting to stack S-9.

(i) One (1) cylinder dryer, identified as CD-1, constructed in 1987, with a maximum capacity of 0.514 gallons per hour of paint and mineral spirits, equipped with a natural gas combustion source with a maximum capacity of 4 million British thermal units per hour, with emissions controlled by one (1) afterburner, identified as Afterburner 1, and exhausting to vent V-10.

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

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

(a) Emission units with PM and PM10 emissions less than five (5) tons per year, SO_2, NOx, and VOC emissions less than ten (10) tons per year, CO emissions less than twenty-five (25) tons per year, lead emissions less than two-tenths (0.2) tons per year, single HAP emissions less than one (1) ton per year, and combination of HAPs emissions less than two and a half (2.5) tons per year:

(1) One (1) brushing chamber, identified as BC-1, constructed in 1992, with a maximum throughput of 0.587 pounds per hour, with emissions controlled by one (1) baghouse, identified as Baghouse 3, and exhausting to vent V-14 which discharges to the inside of the building.

(b) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour:

(1) One (1) natural gas-fired boiler, identified as B-1, constructed in 1990, with a maximum capacity of 3.5 million British thermal units per hour, and exhausting to stack S-1.

(2) One (1) natural gas-fired boiler, identified as B-2, constructed in 1992, with a maximum capacity of 3.5 million British thermal units per hour, and exhausting to stack S-2.

(3) One (1) natural gas-fired boiler, identified as B-3, constructed in 1995, with a maximum capacity of 2.5 million British thermal units per hour, and exhausting to stack S-3.

(4) One (1) natural gas-fired oil heater, identified as B-4, constructed in 1988, with a maximum capacity of 0.4 million British thermal units per hour, and exhausting to stack S-4.

(5) Eighteen (18) gas unit heaters.

(6) Five (5) natural gas-fired sludge drying tanks, identified as T-1 through T-5, each constructed in 2005, each exhausting water vapor to stacks S-19A through S-23A, respectively, and each equipped with two (2) burners rated at 0.3 million

British thermal units per hour that exhaust to stacks S-19 through S-23, respectively.

(c) Storage tanks with capacity less than or equal to 1,000 gallons and annual throughput less than 12,000 gallons: one (1) diesel storage tank.

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

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

A.5 Prior Permits Superseded [326 IAC 2-1.1-9.5]

(a) All terms and conditions of previous permits issued pursuant to permitting programs approved into the state implementation plan have been either

(1) incorporated as originally stated,

(2) revised, or

(3) deleted

by this permit.

(b) All previous registrations and permits are superseded by this permit.

SECTION B GENERAL CONDITIONS

B.1 Permit No Defense [IC 13]

Indiana statutes from IC 13 and rules from 326 IAC, quoted in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a FESOP under 326 IAC 2-8.

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

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

B.3 Permit Term [326 IAC 2-8-4(2)] [326 IAC 2-1.1-9.5]

This permit 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.

B.4 Enforceability [326 IAC 2-8-6]

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 Termination of Right to Operate [326 IAC 2-8-9] [326 IAC 2-8-3(h)]

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

B.6 Severability [326 IAC 2-8-4(4)]

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

B.7 Property Rights or Exclusive Privilege [326 IAC 2-8-4(5)(D)]

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

B.8 Duty to Supplement and Provide Information [326 IAC 2-8-3(f)] [326 IAC 2-8-4(5)(E)] [326 IAC 2-8-5(a)(4)]

(a) The Permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information to:

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

The submittal by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(b) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ, may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1). Upon request, the Permittee shall also furnish to IDEM, OAQ, copies of records required to be kept by this permit.

(c) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17. 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.9 Compliance Order Issuance [326 IAC 2-8-5(b)]

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

B.10 Compliance with Permit Conditions [326 IAC 2-8-4(5)(A)] [326 IAC 2-8-4(5)(B)]

(a) The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit is grounds for:

(1) Enforcement action;

(2) Permit termination, revocation and reissuance, or modification; and

(3) Denial of a permit renewal application.

(b) 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.

(c) 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.

B.11 Certification [326 IAC 2-8-3(d)] [326 IAC 2-8-4(3)(C)(i)] [326 IAC 2-8-5(1)]

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

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

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

B.12 Annual Compliance Certification [326 IAC 2-8-5(a)(1)]

(a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. The initial certification shall cover the time period from the date of final permit issuance through December 31 of the same year. All subsequent certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted in letter form no later than April 15 of each year to:

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

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

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

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

(2) The compliance status;

(3) Whether compliance was continuous or intermittent;

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

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

The notification which shall be submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

B.13 Preventive Maintenance Plan [326 IAC 1-6-3] [326 IAC 2-8-4(9)] [326 IAC 2-8-5(a)(1)]

(a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) within ninety (90) days after issuance of this permit, 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 Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

The PMP extension notification does not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

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

B.14 Emergency Provisions [326 IAC 2-8-12]

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

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

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

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

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

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

Telephone No.: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section) or,
Telephone No.: 317-233-0178 (ask for Compliance Section)
Facsimile No.: 317-233-6865

and

Northwest Regional Office Telephone No.: 219-881-6712
Northwest Regional Office Facsimile No.: 219-881-6745

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

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

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

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

(A) A description of the emergency;

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

(C) Corrective actions taken.

The notification which shall be submitted by the Permittee does not require the certification by the “authorized individual” as defined by 326 IAC 2-1.1-1(1).

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

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

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

(e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ, may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4(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 2-8 and any other applicable rules.

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

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

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

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

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

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

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

B.15 Deviations from Permit Requirements and Conditions [326 IAC 2-8-4(3)(C)(ii)]

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

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

using the attached Quarterly Deviation and Compliance Monitoring Report, or its equivalent. A deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does need to be included in this report.
The Quarterly Deviation and Compliance Monitoring Report does require the certification by the “authorized individual” as defined by 326 IAC 2-1.1-1(1).

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

B.16 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-8-4(5)(C)] [326 IAC 2-8-7(a)] [326 IAC 2-8-8]

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

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

(1) That this permit contains a material mistake.

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

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

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

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

B.17 Permit Renewal [326 IAC 2-8-3(h)]

(a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-8-3. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Request for renewal shall be submitted to:

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

(b) Timely Submittal of Permit Renewal [326 IAC 2-8-3]

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

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

(B) 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.

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

(c) Right to Operate After Application for Renewal [326 IAC 2-8-9]
If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-8 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ, any additional information identified as needed to process the application.

B.18 Permit Amendment or Revision [326 IAC 2-8-10] [326 IAC 2-8-11.1]

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

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

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

Any such application shall be certified by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

B.19 Operational Flexibility [326 IAC 2-8-15] [326 IAC 2-8-11.1]

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

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

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

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

(4) The Permittee notifies the:

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

and

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

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

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

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

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

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

B.20 Permit Revision Requirement [326 IAC 2-8-11.1]

A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2 and 326 IAC 2-8-11.1.

B.21 Inspection and Entry [326 IAC 2-8-5(a)(2)] [IC 13-14-2-2] [IC 13-17-3-2] [IC 13-30-3-1]

Upon presentation of proper identification cards, credentials, and other documents as may be required by law, and subject to the Permittee's right under all applicable laws and regulations to assert that the information collected by the agency is confidential and entitled to be treated as such, the Permittee shall allow IDEM, OAQ, U.S. EPA, or an authorized representative to perform the following:

(a) Enter upon the Permittee's premises where a FESOP source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;

(b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;

(c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;

(d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and

(e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

B.22 Transfer of Ownership or Operational Control [326 IAC 2-8-10]

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

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

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

The application which shall be submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

B.23 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-8-4(6)] [326 IAC 2-8-16] [326 IAC 2-1.1-7]

(a) The Permittee shall pay annual fees to IDEM, OAQ, 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) 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.24 Credible Evidence [326 IAC 2-8-4(3)][326 IAC 2-8-5][62 FR 8314][326 IAC 1-1-6]

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

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

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

C.1 Overall Source Limit [326 IAC 2-8]

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

(a) Pursuant to 326 IAC 2-8:

(1) The potential to emit volatile organic compounds (VOCs) from the entire source shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period. This limitation shall also satisfy the requirements of 326 IAC 2-3 (Emission Offset);

(2) The potential to emit any regulated pollutant from the entire source, except particulate matter (PM) and volatile organic compounds (VOCs), shall be limited to less than one-hundred (100) tons per twelve (12) consecutive month period;

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

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

(b) The potential to emit particulate matter (PM) from the entire source shall be limited to less than one-hundred (100) tons per twelve (12) consecutive month period. This limitation shall render 326 IAC 2-2 and 326 IAC 2-3 not applicable.

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

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

C.2 Opacity [326 IAC 5-1]

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

(a) Opacity shall not exceed an average of twenty percent (20%) 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(3)]

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

C.5 Fugitive Dust Emissions [326 IAC 6-4]

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

C.6 Lake County Particulate Matter Contingency Measures [326 IAC 6.8-11.2]

The Permittee shall comply with the applicable provisions of 326 IAC 6.8-11.2 (Lake County Particulate Matter Contingency Measures).

C.7 Stack Height [326 IAC 1-7]

The Permittee shall comply with the applicable provisions of 326 IAC 1-7 (Stack Height Provisions), for all exhaust stacks through which a potential (before controls) of twenty-five (25) tons per year or more of particulate matter or sulfur dioxide is emitted.

C.8 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

(a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.

(b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:

(1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or

(2) If there is a change in the following:

(A) Asbestos removal or demolition start date;

(B) Removal or demolition contractor; or

(C) Waste disposal site.

(c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).

(d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

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

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers

and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(e) Procedures for Asbestos Emission Control
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-4 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) Indiana Accredited Asbestos Inspector
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement that the inspector be accredited is federally enforceable.

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

C.9 Performance Testing [326 IAC 3-6]

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

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

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

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ, if the source 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.10 Compliance Requirements [326 IAC 2-1.1-11]

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

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

C.11 Compliance Monitoring [326 IAC 2-8-4(3)] [326 IAC 2-8-5(a)(1)]

Unless otherwise specified in this permit, all monitoring and record keeping requirements not already legally required shall be implemented within thirty (30) days of permit issuance. If required

by Section D, the Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. If due to circumstances beyond its control, that equipment cannot be installed and operated within thirty (30) days, the Permittee may extend the compliance schedule related to the equipment for an additional thirty (30) days provided the Permittee notifies:

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

in writing, prior to the end of the initial thirty (30) day compliance schedule with full justification of the reasons for inability to meet this date.

The notification which shall be submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

C.12 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

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

C.13 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-8-4(3)] [326 IAC 2-8-5(1)]

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

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

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

C.14 Risk Management Plan [326 IAC 2-8-4] [40 CFR 68.215]

If a regulated substance, subject to 40 CFR 68, is present at a source in more than a threshold quantity, 40 CFR 68 is an applicable requirement and the Permittee shall submit:

(a) A compliance schedule for meeting the requirements of 40 CFR 68; or

(b) As a part of the annual compliance certification submitted under 326 IAC 2-7-6(5), a certification statement that the source is in compliance with all the requirements of 40 CFR 68, including the registration and submission of a Risk Management Plan (RMP).

All documents submitted pursuant to this condition shall include the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

C.15 Response to Excursions or Exceedances [326 IAC 2-8-4] [326 IAC 2-8-5]

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

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

(1) initial inspection and evaluation;

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

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

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

(1) monitoring results;

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

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

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

(e) The Permittee shall maintain the following records:

(1) monitoring data;

(2) monitor performance data, if applicable; and

(3) corrective actions taken.

C.16 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4] [326 IAC 2-8-5]

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

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

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

The documents submitted pursuant to this condition do require the certification by the “authorized individual” as defined by 326 IAC 2-1.1-1(1).

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

C.17 General Record Keeping Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-5]

(a) Records of all required data, reports and support information 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 kept at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.

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

C.18 General Reporting Requirements [326 IAC 2-8-4(3)(C)] [326 IAC 2-1.1-11]

(a) The source shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported. This report shall be submitted within thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification by the "authorized individual" as defined by 326 IAC2-1.1-1(1).

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

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

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

(d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(e) The first report covered the period commencing on the date of issuance of the original FESOP and ended on the last day of the reporting period. All subsequent reporting periods shall be based on calendar years.

Stratospheric Ozone Protection

C.19 Compliance with 40 CFR 82 and 326 IAC 22-1

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

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

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

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

SECTION D.1 FACILITY OPERATION CONDITIONS

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

(a) Two (2) rotary dryers, identified as RD-1 and RD-2, constructed in 1972 and 1975, respectively, each with a maximum throughput of 198.63 pounds per hour, each equipped with a natural gas combustion source with a maximum capacity of 0.75 million British thermal units per hour, with particulate emissions controlled by one (1) baghouse, identified as Baghouse #1, exhausting to stack S-5.

(b) Two (2) rotary dryers, identified as RD-3 and RD-4, constructed in 1980 and 1982, respectively, each with a maximum throughput of 135.83 pounds per hour, each equipped with a natural gas combustion source with a maximum capacity of 0.75 million British thermal units per hour, with particulate emissions controlled by two (2) baghouses, identified as Baghouse #4 and Baghouse #5, respectively, exhausting to Stack S-15 and S-16, respectively.

(c) Two (2) rotary dryers, identified as RD-5 and RD-6, constructed in 1987 and 1990, respectively, each with a maximum throughput of 135.83 pounds per hour, each equipped with a natural gas combustion source with a maximum capacity of 0.75 million British thermal units per hour, with particulate emissions controlled by one (1) baghouse, identified as Baghouse #2, and exhausting to stack S-6.

(d) Two (2) fusion reactors, identified as FR-1 and FR-2, constructed in 1997 and 2000, respectively, with a maximum throughput of 180.29 and 600.96 pounds per hour, respectively, each equipped with a natural gas combustion source with a maximum capacity of 1.45 and 1.66 million British thermal units per hour, respectively, with emissions controlled by three (3) scrubbers, identified as Scrubber #1, Scrubber #2, and Scrubber #6, and exhausting to stacks S-7, S-8, and S-17, respectively.

(e) Two (2) tin chloride manufacturing lines, identified as Mfg-1 and Mfg-2, constructed in 1987 and 1986, respectively, with a maximum throughput of 5.82 and 2.74 pounds per hour, respectively, with emissions controlled by three (3) scrubbers, identified as Scrubber #3, Scrubber #4, and Scrubber #7, and exhausting to stacks S-11, S-12, and S-18.

(f) One (1) tin sulfate manufacturing line in the R&D Department, identified as Mfg-3, constructed in 1991, with a maximum throughput of 2.74 pounds per hour, with emissions controlled by one (1) scrubber, identified as Scrubber #5, and exhausting to stack S-13.

(g) One (1) tin sulfate manufacturing line, identified as Mfg-4, constructed in 2006, with a maximum throughput of 13.7 pounds per hour, with emissions controlled by one (1) scrubber, identified as Scrubber #6, and exhausting to stack S-14.

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

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

D.1.1 Particulate Matter (PM) [326 IAC 6.8-1-2]

Pursuant to 326 IAC 6.8-1-2 (formerly 326 IAC 6-1-2), particulate matter (PM) emissions from the rotary dryers (RD-1, RD-2, RD-3, RD-4, RD-5, and RD-6), fusion reactors (FR-1 and FR-2) and manufacturing lines (Mfg-1, Mfg-2, Mfg-3, and Mfg-4) shall be limited to 0.03 grain per dry standard cubic foot. This limitation is equivalent to the following emissions:

Unit	PM Limit (lb/hr)	PM Limit (ton/yr)
RD-1 and RD-2 Combined (Baghouse #1, S-5)	4.17	18.25
RD-3 and RD-4 Combined (Baghouse #4, S-15)	2.06	9.01
RD-3 and RD-4 Combined (Baghouse #5, S-16)	2.06	9.01
RD-5 and RD-6 Combined (Baghouse #2, S-6)	4.50	19.71
FR-1 (Scrubber #1, S-7)	1.03	4.51
FR-2 (Scrubber #2, S-8)	1.03	4.51
Mfg-1 and Mfg-2 Combined (Scrubber #3, S-11)	4.37	19.15
Mfg-1 and Mfg-2 Combined (Scrubber #4, S-12)	2.06	9.01
Mfg-1 and Mfg-2 Combined (Scrubber #7, S-18)	1.03	4.51
Mfg-3 (Scrubber #5, S-13)	1.03	4.51
Mfg-4 (Scrubber #6, S-14)	0.69	3.00

D.1.2 Particulate Matter [326 IAC 2-8] [326 IAC 2-2] [326 IAC 2-3]

The Permittee shall be subject to the following limitations:

Unit	PM Limit (lb/hr)	PM10 Limit (lb/hr)	PM Limit (ton/yr)	PM10 Limit (ton/yr)
RD-1 and RD-2 Combined (Baghouse #1, S-5)	2.78	2.78	12.16	12.16
RD-3 and RD-4 Combined (Baghouse #4 and #5, S-15 and S-16)	1.78	1.78	7.80	7.80
RD-5 and RD-6 Combined (Baghouse #2, S-6)	3.00	3.00	13.14	13.14
FR-1 (Scrubber #1, Stacks S-7)	0.89	0.89	1.89	1.89
FR-2 (Scrubber #2, S-8)	0.89	0.89	1.89	1.89
Mfg-1 and Mfg-2 Combined (Scrubber #3, #4, and #7, S-11, S-12, and S-18)	3.31	3.31	14.15	14.15
Mfg-3 (Scrubber #5, S-13)	0.45	0.45	1.95	1.95
Mfg-4 (Scrubber #6, S-14)	0.69	0.69	3.0	3.0

These limits are equivalent to emissions of less than 57.00 tons per year of PM and less than 57.00 tons of PM10 from RD-1, RD-2, RD-3, RD-4, RD-5, RD-6, FR-1, FR-2, Mfg-1, Mfg-2, Mfg-3, and Mfg-4 combined. These limits are structured such that, when including the uncontrolled PM and PM10 emissions from PB-1, CD-1, BC-1, and insignificant combustion, the source total PM emissions are less than two hundred fifty (250) tons per year and the source total PM10 emissions are less than one hundred (100) tons per year. This renders the requirements of 326 IAC 2-7 (Part 70 Permit Program), 326 IAC 2-3 (Emission Offset), and 326 IAC 2-2 (Prevention of Significant Deterioration) not applicable.

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

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

Compliance Determination Requirements

D.1.4 Particulate Control [326 IAC 2-8-5(a)(4)]

(a) In order to comply with Condition D.1.1 and D.1.2, the baghouses (Baghouse #1 and Baghouse #2, Baghouse #4, and Baghouse #5) and scrubbers (Scrubber #1 through Scrubber #7) for PM control shall be in operation and control emissions from the rotary dryers (RD-1, RD-2, RD-3, RD-4, RD-5, and RD-6), fusion reactors (FR-1 and FR-2), and manufacturing lines (Mfg-1, Mfg-2, Mfg-3, and Mfg-4) at all times that the 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 2-8-4] [326 IAC 2-8-5(a)(1)]

D.1.5 Visible Emissions Notations

(a) Once per day visible emission notations of the rotary dryers (RD-1, RD-2, RD-3, RD-4, RD-5, and RD-6), fusion reactors (FR-1 and FR-2), and manufacturing lines (Mfg-1, Mfg-2, Mfg-3, and Mfg-4) stack exhaust shall be performed during normal daylight operations when exhausting to the atmosphere. 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) The Response to Excursions or Exceedances for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed. Failure to take response steps in accordance with Section C – Response to Excursions or Exceedances, shall be considered a deviation from this permit.

D.1.6 Parametric Monitoring

The Permittee shall record the pressure drop across the Baghouse #1 and Baghouse #2, Baghouse #4, and Baghouse #5 used in conjunction with the rotary dryers (RD-1, RD-2, RD-3, RD-4, RD-5, and RD-6), at least once per day when the rotary dryers are in operation. When for any one reading, the pressure drop across the baghouses are outside the normal range of 3.0 and 10.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C – Response to Excursions or Exceedances, 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.1.7 Broken or Failed Bag Detection

(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 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.

D.1.8 Scrubber Parametric Monitoring

The Permittee shall monitor and record the acid content, pressure drop, and flow rate of each of the scrubbers (Scrubber #1 through Scrubber #7), at least once per day when the associated fusion reactors (FR-1 and FR-2) and manufacturing lines (Mfg-1, Mfg-2, Mfg-3, and Mfg-4) are in operation. When for any one reading, the pressure drop, flow rate, or pH level across any of the scrubbers is outside the normal ranges listed in the table below or ranges established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C – Response to Excursions or Exceedances.

Control Devices	Pressure Drop Range (inches of water)	Min. Flow Rate (gallons/min)	Max. pH Level
Scrubbers SC-1 and SC-2	0.1 - 1.0	50	4
Scrubber SC-3	10 - 20	60	14
Scrubber SC-4	10 - 20	50	14
Scrubber SC-5	5 - 15	50	14
Scrubber SC-6	0.1-2.0	100	14
Scrubber SC-7	0.01 - 1.0	50	7

A pressure reading that is outside the above mention range, a flow rate that is below the above mentioned minimum, or an acid content above the above mentioned maximum is not a deviation from this permit. Failure to take response steps in accordance with Section C – Response to Excursions or Exceedances shall be considered a deviation from this permit.

The instruments used for determining the pressure, flow rate, and pH level 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.1.9 Failure Detection

In the event that a scrubber malfunction 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). Failure to take response steps in accordance with Section C – Response to Excursions or Exceedances shall be considered a deviation from this permit.

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

D.1.10 Record Keeping Requirements

(a) To document compliance with Condition D.1.5 the Permittee shall maintain records of visible emission notations of the stack exhaust once per day.

(b) To document compliance with Condition D.1.6, the Permittee shall maintain records of the pressure drop once per day during normal operation.

(c) To document compliance with Condition D.1.8, the Permittee shall maintain records of the following operational parameters for each scrubber once per day during normal operation:

(1) pressure drop;

(2) flow rate; and

(3) acid content (pH level).

(d) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

SECTION D.2 FACILITY OPERATION CONDITIONS

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

(h) One (1) paint booth, identified as PB-1, constructed in 1992, coating fiber and plastic drums and cylinders, with particulate emissions controlled by dry filters, and exhausting to stack S-9.

(i) One (1) cylinder dryer, identified as CD-1, constructed in 1987, with a maximum capacity of 0.514 gallons per hour of paint and mineral spirits, equipped with a natural gas combustion source with a maximum capacity of 4 million British thermal units per hour, with emissions controlled by one (1) afterburner, identified as Afterburner 1, and exhausting to vent V-10.

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

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

D.2.1 Volatile Organic Compounds (VOC) [326 IAC 2-8-4][326 IAC 2-3]

The input volatile organic compounds (VOC) including coatings, thinners, and cleaners delivered to the paint booth (PB-1) and cylinder dryer (CD-1) combined shall be limited to less than twenty-four (24) tons per twelve (12) consecutive month period with compliance determined at the end of each month. This limit is structured such that when including emissions from combustion, the source total VOC emissions remain below twenty-five (25) tons per year. This renders the requirements of 326 IAC 2-7 (Part 70 Permit Program) and 326 IAC 2-3 (Emission Offset) not applicable.

D.2.2 Volatile Organic Compounds (VOC) [326 IAC 8-7]

The input of volatile organic compounds (VOC) including coatings, thinners, and cleaners delivered to the paint booth (PB-1) shall be limited to less than ten (10) tons per twelve (12) consecutive month period with compliance determined at the end of each month. This limit renders the requirements of 326 IAC 8-7 (Specific VOC Reduction Requirements for Lake, Porter, Clark, and Floyd Counties) not applicable.

D.2.3 Particulate Matter (PM) [326 IAC 6.8-1-2]

Pursuant to 326 IAC 6.8-1-2 (formerly 326 IAC 6-1-2) emissions from the paint booth (PB-1) and cylinder dryer (CD-1) shall be limited to 0.03 grains per dry standard cubic foot.

D.2.4 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

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

Compliance Determination Requirements

D.2.5 Particulate Matter (PM)

In order to comply with Condition D.2.3, the dry filters for PM control shall be in operation at all times when the paint booth (PB-1) is in operation.

D.2.6 Volatile Organic Compounds (VOC)

Compliance with the VOC content and usage limitations contained in Conditions D.2.1 and D.2.2 shall be determined pursuant to 326 IAC 8-1-4(a)(3) and 326 IAC 8-1-2(a) using formulation data supplied by the coating manufacturer.

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

D.2.7 Monitoring

(a) Daily inspections shall be performed to verify the placement, integrity and particle loading of the filters. To monitor the performance of the dry filters, weekly observations shall be

made of the overspray from the surface coating booth stack S-9 while the booth is in operation. If a condition exists which should result in a response step, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failures to take response steps in accordance with Section C – Response to Excursions or Exceedances shall be considered a deviation from this permit.

(b) Monthly inspections shall be performed of the coating emissions from the stacks and the presence of overspray on the rooftops and the nearby ground. When there is a noticeable change in overspray emissions, or when evidence of overspray emissions is observed, the Permittee shall take reasonable response steps. Failure to take response steps in accordance with Section C – Response to Excursions or Exceedances, shall be considered a deviation from this permit.

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

D.2.8 Record Keeping Requirements

(a) To document compliance with Conditions D.2.1 and D.2.2, the Permittee shall maintain records in accordance with (1) through (5) below. Records maintained for (1) through (5) shall be taken monthly and shall be complete and sufficient to establish compliance with the VOC usage limits and/or the VOC emission limits established in Conditions D.2.1 and D.2.2. Records necessary to demonstrate compliance shall be available within 30 days of the end of each compliance period.

(1) The amount and VOC content of each coating material and solvent used. Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used. Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvents;

(2) The volume weighted VOC content of the coatings used for each month;

(3) The cleanup solvent usage for each month;

(4) The total VOC usage for each month; and

(5) The weight of VOCs emitted for each compliance period.

(b) To document compliance with Condition D.2.7, the Permittee shall maintain a log of weekly overspray observations, and daily and monthly inspections.

(c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.2.9 Reporting Requirements

A quarterly summary of the information to document compliance with Conditions D.2.1 and D.2.2 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the “authorized individual” as defined by 326 IAC 2-1.1-1(1).

SECTION D.3 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]: Insignificant Activities

(a) Emission units with PM and PM10 emissions less than five (5) tons per year, SO_2, NOx, and VOC emissions less than ten (10) tons per year, CO emissions less than twenty-five (25) tons per year, lead emissions less than two-tenths (0.2) tons per year, single HAP emissions less than one (1) ton per year, and combination of HAPs emissions less than two and a half (2.5) tons per year:

(1) One (1) brushing chamber, identified as BC-1, constructed in 1992, with a maximum throughput of 0.587 pounds per hour, with emissions controlled by one (1) baghouse, identified as Baghouse 3, and exhausting to vent V-14 which discharges to the inside of the building.

(b) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour:

(1) One (1) natural gas-fired boiler, identified as B-1, constructed in 1990, with a maximum capacity of 3.5 million British thermal units per hour, and exhausting to stack S-1.

(2) One (1) natural gas-fired boiler, identified as B-2, constructed in 1992, with a maximum capacity of 3.5 million British thermal units per hour, and exhausting to stack S-2.

(3) One (1) natural gas-fired boiler, identified as B-3, constructed in 1995, with a maximum capacity of 2.5 million British thermal units per hour, and exhausting to stack S-3.

(4) One (1) natural gas-fired oil heater, identified as B-4, constructed in 1988, with a maximum capacity of 0.4 million British thermal units per hour, and exhausting to stack S-4.

(5) Eighteen (18) gas unit heaters.

(6) Five (5) natural gas-fired sludge drying tanks, identified as T-1 through T-5, each constructed in 2005, each exhausting water vapor to stacks S-19A through S-23A, respectively, and each equipped with two (2) burners rated at 0.3 million British thermal units per hour that exhaust to stacks S-19 through S-23, respectively.

(c) Storage tanks with capacity less than or equal to 1,000 gallons and annual throughput less than 12,000 gallons: one (1) diesel storage tank.

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

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

D.3.1 Particulate Matter (PM) [326 IAC 6.8-1-2]

(a) Pursuant to 326 IAC 6.8-1-2 (formerly 326 IAC 6-1-2) particulate matter (PM) emissions from the brushing chamber (BC-1) shall be limited to 0.03 grain per dry standard cubic foot. The baghouse for particulate control shall be in operation at all times that the brushing chamber is in operation in order to ensure compliance with this condition.

(b) Pursuant to 326 IAC 6.8-1-2, the particulate emissions from each of the boilers shall be no greater than one-hundredth (0.01) grain per dry standard cubic foot (dscf).

(c) Pursuant to 326 IAC 6.8-1-2, particulate matter (PM) emissions from each of the sludge drying tanks shall not exceed three-hundredths (0.03) grain per dry standard cubic foot (dscf).

D.3.2 Volatile Organic Compounds (VOC) [326 IAC 8-9]

The diesel storage tank is subject to 326 IAC 8-9 (Volatile Organic Liquid Storage Vessels), but no specific emission limitations exist pursuant to this rule. Record keeping and reporting requirements do apply and they are described below in the Record Keeping and Reporting Requirements section.

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

D.3.3 Record Keeping Requirements

(a) Pursuant to 326 IAC 8-9, the owner or operator of diesel storage tank shall maintain a record and submit to IDEM, OAQ a report containing the following information for each vessel:

(1) The vessel identification number;

(2) The vessel dimensions; and

(3) The vessel capacity.

The records shall be maintained for the life of the vessel.

(b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) CERTIFICATION

Source Name: Mason Corporation
Source Address: 1049 U.S. Highway 41, Schererville, Indiana 46375
Mailing Address: P.O. Box 38, Schererville, Indiana 46375
FESOP No.: F089-15312-00094

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

Please check what document is being certified:

Annual Compliance Certification Letter

Test Result (specify)

Report (specify)

Notification (specify)

Affidavit (specify)

Other (specify)

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

Signature:

Printed Name:

Title/Position:

Date:

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE BRANCH
100 North Senate Avenue
Indianapolis, Indiana 46204-2251
Phone: 317-233-0178
Fax: 317-233-6865

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
EMERGENCY OCCURRENCE REPORT

Source Name: Mason Corporation
Source Address: 1049 U.S. Highway 41, Schererville, Indiana 46375
Mailing Address: P.O. Box 38, Schererville, Indiana 46375
FESOP No.: F089-15312-00094

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

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

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

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

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

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

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

A certification is not required for this report.

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

FESOP Quarterly Report

Source Name: Mason Corporation
Source Address: 1049 U.S. Highway 41, Schererville, Indiana 46375
Mailing Address: P.O. Box 38, Schererville, Indiana 46375
FESOP No.: F089-15312-00094
Facility: Paint Booth (PB-1) and Cylinder Dryer (CD-1) combined
Parameter: VOC Input
Limit: Less than 24 tons per 12 consecutive month period

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: _____

Attach a signed certification to complete this report.

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

FESOP Quarterly Report

Source Name: Mason Corporation
Source Address: 1049 U.S. Highway 41, Schererville, Indiana 46375
Mailing Address: P.O. Box 38, Schererville, Indiana 46375
FESOP No.: F089-15312-00094
Facility: Paint Booth (PB-1)
Parameter: VOC Input
Limit: Less than 10 tons per 12 consecutive month period

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: _____

Attach a signed certification to complete this report.

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

Source Name: Mason Corporation
Source Address: 1049 U.S. Highway 41, Schererville, Indiana 46375
Mailing Address: P.O. Box 38, Schererville, Indiana 46375
FESOP No.: F089-15312-00094

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

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

NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.

THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD

Permit Requirement (specify permit condition #)

Date of Deviation: **Duration of Deviation:**

Number of Deviations:

Probable Cause of Deviation:

Response Steps Taken:

Permit Requirement (specify permit condition #)

Date of Deviation: **Duration of Deviation:**

Number of Deviations:

Probable Cause of Deviation:

Response Steps Taken:

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

Form Completed by:_______________________________

Title / Position: _________________________________

Date:____

Phone: ____

Attach a signed certification to complete this report.

Indiana Department of Environmental Management
Office of Air Quality

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

Source Background and Description

Source Name:	Mason Corporation
Source Location:	1049 U.S. Highway 41, Schererville, Indiana 46375
County:	Lake
SIC Code:	2819
Operation Permit No.:	089-15312-00094
Operation Permit Issuance Date:	November 15, 2004
Permit Revision No.:	089-23504-00094
Permit Reviewer:	ERG/ST

The Office of Air Quality (OAQ) has reviewed a revision application from Mason Corporation relating to the addition of a tin sulfate process line. The new process line is as follows:

One (1) tin sulfate manufacturing line, identified as Mfg-4, constructed in 2006, with a maximum throughput of 13.7 pounds per hour, with emissions controlled by one (1) scrubber, identified as Scrubber #6, and exhausting to stack S-14.

Note: Scrubber #6 is existing equipment. Other equipment configuration changes are made in this MPR.

History

On August 14, 2006, Mason Corporation submitted an application to the OAQ requesting to add a tin sulfate process line to their existing plant. Mason Corporation was issued a FESOP on November 15, 2004.

Existing Approvals

The source was issued FESOP 089-15312-00094 on November 15, 2004. The source has since received the following:

(a) First Administrative Amendment 089-19741-00094, issued on December 10, 2004;

(b) Second Administrative Amendment 089-19070-00094, issued on January 24, 2005;

(c) Third Administrative Amendment 089-21543-00094, issued on July 29, 2005;

(d) Significant Permit Revision 089-22110-00094, issued on March 27, 2006;

(e) Fourth Administrative Amendment 089-23123-00094, issued on June 20, 2006.

Enforcement Issue

There are no enforcement actions pending.

Stack Summary

Stack ID	Operation	Height (feet)	Diameter (feet)	Flow Rate (acfm)	Temperature (^{0}F)
S-14	Mfg-4	25	0.5	4,000	Ambient

Recommendation

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

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

An application for the purposes of this review was received on August 14, 2006.

Emission Calculations

See Appendix A of this document for detailed emissions calculations (Page 1 of 1).

Potential To Emit of the Revision

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

This table reflects the PTE before controls. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

Pollutant	Potential To Emit (tons/year)
PM	6.01
PM-10	6.01
SO_2	0
VOC	0
CO	0
NO_x	0

Note: For the purpose of determining Title V applicability for particulates, PM-10, not PM, is the regulated pollutant in consideration.

Justification for Revision

The FESOP is being modified through a FESOP Minor Permit Revision. This revision is being performed pursuant to 326 IAC 2-8-11.1(d)(4)(A) because this modification has a potential to emit less than twenty-five (25) tons per year and equal to or greater than five (5) tons per year of particulate matter (PM) and particulate matter less than ten (10) microns (PM10).

Potential to Emit after Revision

The table below summarizes the total potential to emit, reflecting all limits, of the significant emission units. The control equipment is considered federally enforceable only after issuance of this Permit Revision.

	Potential to Emit (tons/year)						
Process/facility	PM	PM-10	SO_2	VOC	CO	NO_X	HAPs
RD-1, RD-2,	12.16	12.16	0	0	0	0	0
RD-3, RD-4,	7.80	7.80	0	0	0	0	0
RD-5, RD-6	13.14	13.14	0	0	0	0	0
FR-1	1.89	1.89	0	0	0	0	Neg
FR-2	1.89	1.89	0	0	0	0	Neg
PB-1 and CD-1	3.74	3.74	0	Less than 24	0	0	1.28
BC-1	2.57	2.57	0	0	0	0	0
Mfg-1, Mfg-2	14.15	14.15	0	0	0	0	0.13
Mfg-3	1.95	1.95	0	0	0	0	0
Combustion	0.72	0.72	0.06	0.52	7.91	9.42	Neg
Mfg-4	**3.0**	**3.0**	**0**	**0**	**0**	**0**	**0**
Total Emissions	63.0	63.0		24.5	7.91	9.42	

After the addition of process line Mfg-4, the potential to emit of the criteria pollutants from the entire source is still less than the Title V major source thresholds. Therefore, the requirements of 326 IAC 2-7 are not applicable to this source.

County Attainment Status

The source is located in Lake County.

Pollutant	Status
PM-10	Nonattainment
PM2.5	Nonattainment
SO_2	Attainment
NO_2	Attainment
8-hour Ozone	Nonattainment
CO	Attainment
Lead	Attainment

(a) U.S.EPA in Federal Register Notice 70 FR 943 dated January 5, 2005 has designated Lake County as nonattainment for PM2.5. On March 7, 2005 the Indiana Attorney General's Office on behalf of IDEM filed a law suit with the Court of Appeals for the District of Columbia Circuit challenging U.S. EPA's designation of non-attainment areas without sufficient data. However, in order to ensure that sources are not potentially liable for violation of the Clean Air Act, the OAQ is following the U.S. EPA's guidance to regulate PM10 emissions as surrogate for PM2.5 emissions pursuant to the Non-attainment New Source Review requirements. See the State Rule Applicability for the source section.

(b) Volatile organic compounds (VOC) and Nitrogen Oxides (NOx) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NOx emissions are considered when evaluating the rule applicability relating to the ozone standards. Lake County has been designated as nonattainment for the 8-hour ozone standard. Therefore, VOC and NOx emissions were reviewed pursuant to the requirements for nonattainment new source review.

(c) On October 25, 2006, the Indiana Air Pollution Control Board finalized a rule revision to 326 IAC 1-4-1 redesignating Lake County to attainment for the sulfur dioxide standard and revoking the one-hour ozone standard in Indiana.

(d) Lake County has been classified as attainment or unclassifiable in Indiana for all other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability for the source section.

(e) Fugitive Emissions
Since this type of operation is one of the 28 listed source categories under 326 IAC 2-2 and since there are no applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive emissions are counted toward determination of PSD and Emission Offset applicability.

Federal Rule Applicability

(a) There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR 60) included in this permit for this modification.

(b) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14 and 40 CFR Part 63) included in this permit for this modification.

State Rule Applicability - Entire Source

326 IAC 2-2 (Prevention of Significant Deterioration) and 326 IAC 2-3 (Emission Offset)

This source is in one of the 28 listed source categories under 326 IAC 2-2. The source is located in Lake County.

Lake County was designated as a nonattainment area for the 8-hour ozone standard on June 15, 2004. The potential to emit of VOC of this source, after limits, was less than 100 tons per year. Therefore, this source was a minor source under Emission Offset for the 8-hour ozone standard.

On January 5, 2005, the US EPA designated Lake County as nonattainment for PM2.5. PM10 is used as a surrogate for PM2.5. The potential to emit of PM10 of this source, after limits, was less than 100 tons per year. Therefore, this source was a minor source under Emission Offset.

On August 7, 2006, the Indiana Air Pollution Control Board revoked the 1-hour ozone standard and redesignated Lake County as Attainment for Sulfur dioxide.

Lake County is currently a nonattainment area for PM10 and the 8-hour ozone standard.

The source has taken limits on emissions of PM, PM10, and VOC such that potential to emit of PM, PM10, and VOC are less than 100 tons per year. The source-wide potential emissions of NOx and CO are less than one hundred (100) tons per year and have been since startup. The source is a minor source under PSD for PM, SO_2, NO_2, and CO and a minor source under Emission Offset for PM10, NO_x and VOC prior to this modification.

The modification proposed in this minor permit revision has a potential to emit of 6.01 tons per year of PM and PM10, before controls or limits. This modification does not trigger PSD and Emission Offset review because the increase in the potential to emit of PM and PM10 due to this modification is less than the PSD and Emission Offset significant levels (100 tons per year). The following limit is included in this permit:

Unit	PM Limit (lb/hr)	PM10 Limit (lb/hr)	PM Limit (ton/yr)	PM10 Limit (ton/yr)

Mfg-4	0.69	0.69	3.00	3.00

This limit is equivalent to emissions of less than 57.0 tons per year of PM and less than 57.0 tons of PM10 from RD-1, RD-2, RD-3, RD-4, RD-5, RD-6, FR-1, FR-2, Mfg-1, Mfg-2, Mfg-3, and Mfg-4 combined. These limits are structured such that, when including the uncontrolled PM and PM10 emissions from PB-1, CD-1, BC-1, and insignificant combustion, the source total PM and PM10 emissions are less than one hundred (100) tons per year. This renders the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration) and 326 IAC 2-3 (Emission Offset) not applicable.

326 IAC 2-4.1-1 (New Sources of Hazardous Air Pollutants)

This modification has the potential to emit less than 10 tons per year of a single HAP and less than 25 tons per year of any combination of HAPs. Therefore, 326 IAC 2-4.1 does not apply.

326 IAC 2-6 (Emission Reporting)

This source is subject to 326 IAC 2-6 (Emission Reporting), because it has the potential to emit more than ten (10) tons per year of VOC and is located in Lake County. Pursuant to this rule, the owner/operator of the source must annually submit an emission statement for the source. The annual statement must be received by April 15 of each year and contain the minimum requirement as specified in 326 IAC 2-6-4. The submittal should cover the period defined in 326 IAC 2-6-2(8)(Emission Statement Operating Year).

326 IAC 2-8-4 (FESOP)

The Permittee shall be subject to the following limitations:

Unit	PM10 Limit (lb/hr)	PM10 Limit (ton/yr)
Mfg-4	0.69	3.00

These limits are equivalent to emissions of less than 57.0 tons of PM10 from RD-1, RD-2, RD-3, RD-4, RD-5, RD-6, FR-1, FR-2, Mfg-1, Mfg-2, Mfg-3, and Mfg-4 combined. These limits are structured such that, when including the uncontrolled PM10 emissions from PB-1, CD-1, BC-1, and insignificant combustion, the source total PM10 emissions are less than one hundred (100) tons per year. This renders the requirements of 326 IAC 2-7 (Part 70 Permit Program) not applicable.

326 IAC 5-1 (Opacity Limitations)

326 IAC 5-1-2 (Opacity Limitations) applies to this sources because the source is in Lake County in an area bounded on the north by Lake Michigan, on the west by the Indiana-Illinois state line, on the south by U.S. 30 form the state line to the intersection of I-65 to the intersection of I-94 then following I-94 to the Lake-Porter County line, and on the east by the Lake-Porter County line. Pursuant to this rule, except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:

(a) Opacity shall not exceed an average of twenty percent (20%) 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.

326 IAC 6.8-2 (Lake County PM10 Emission Requirements)

326 IAC 6.8-2 (Lake County PM10 Emission Requirements) does not apply to this source even though it is in Lake County because Mason Corporation is not specifically listed in this section.

326 IAC 7-4-1.1 (Lake County Sulfur Dioxide Emission Limitations)

326 IAC 7-4-1.1 (Lake County Sulfur Dioxide Emission Limitations) does not apply to this source because the source does not have the potential to emit greater than twenty-five (25) tons per year of SO_2 and therefore is not subject to 326 IAC 7-1.1.

State Rule Applicability - Manufacturing Lines

326 IAC 6.8-1-2 (Particulate Emission Limitations)

Pursuant to 326 IAC 6.8-1-2(a) (Particulate Emission Limitations), the emissions of particulate from the manufacturing line (Mfg-4) shall not exceed 0.07 gram per dry standard cubic meter (g/dscm) (0.3 grain per dry standard cubic foot (dscf)). This limitation is equivalent to the following emissions:

Unit	PM Limit (lb/hr)	PM Limit (ton/yr)
Mfg-4	2.06	9.01

The information provided by the source on Scrubber 6, which controls emissions from the manufacturing line (Mfg-4), indicates that this unit will be able to comply with this requirement. (See calculations in Appendix A.)

326 IAC 8-1-6 (Volatile Organic Compounds)

These facilities emit negligible quantities of VOC. The potential to emit of VOC is less than 25 tons per year. Pursuant to 326 IAC 8-1-6, the requirements of 326 IAC 8 (Volatile Organic Compounds) do not apply.

Compliance Requirements

Permits issued under 326 IAC 2-8 are required to ensure that sources can demonstrate compliance with applicable state and federal rules on a more or less continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a more or less continuous demonstration. When this occurs IDEM, OAQ, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-8-4. As a result, compliance requirements are divided into two sections: Compliance Determination Requirements and Compliance Monitoring Requirements.

Compliance Determination Requirements in Section D of the permit are those conditions that are found more or less directly within state and federal rules and the violation of which serves as grounds for enforcement action. If these conditions are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also 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.

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

1. The manufacturing line (Mfg-4) has applicable compliance monitoring conditions as specified below:

   (a) Once per shift visible emissions notations of the manufacturing line's stack exhaust (S-14) shall be performed during normal daylight operations. A trained employee will record whether emissions are normal or abnormal. 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. 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. 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. The Response to Excursions or Exceedances for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed. Failure to take response steps in accordance with Section C – Response to Excursions or Exceedances, shall be considered a deviation from this permit.

(b) The Permittee shall monitor and record the acid content, pressure drop, and flow rate of the scrubber (Scrubber #6), at least once per day when the associated manufacturing line (Mfg-4) is in operation. When for any one reading, the pressure drop, flow rate, or pH level across any of the scrubbers is outside the normal ranges listed in the table below or ranges established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C – Response to Excursions or Exceedances.

Control Devices	Pressure Drop Range (inches of water)	Min. Flow Rate (gallons/min)	Max. pH Level
Scrubber SC-6	0.01 - 2.0	100	14

(c) A pressure reading that is outside the above mentioned range, a flow rate that is below the above mentioned minimum, or an acid content above the above mentioned maximum is not a deviation from this permit. Failure to take response steps in accordance with Section C – Response to Excursions or Exceedances shall be considered a deviation from this permit.

(d) The instruments used for determining the pressure, flow rate, and pH level 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.

(e) In the event that a scrubber malfunction 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). Failure to take response steps in accordance with Section C – Response to Excursions or Exceedances shall be considered a deviation from this permit.

(f) An inspection shall be performed each calendar quarter of each scrubber controlling the manufacturing line.

These monitoring conditions are necessary because the scrubber for the manufacturing line must operate properly to ensure compliance with 326 IAC 6.8-1-2 (Particulate Emission Limitations), 326 IAC 2-2 (PSD), 326 IAC 2-3 (Emission Offset), and 326 IAC 2-8 (FESOP).

Proposed Changes

The proposed changes to the permit are as follows:

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

The Permittee owns and operates a stationary source manufacturing tin chloride and tin sulfate.

Authorized individual: Plant Manager

Source Address:	1049 U.S. Highway 41, Schererville, Indiana 46375
Mailing Address:	P.O. Box 38, Schererville, Indiana 46375
General Source Phone:	(219) 865-8040
SIC Code:	2819
County Location:	Lake
Source Location Status:	Nonattainment for ~~SO_2,~~ ~~ozone (both 1-hour and~~ 8-hour **ozone, standard** ~~standards)~~ and PM2.5 Attainment for all other criteria pollutants
Source Status:	Federally Enforceable State Operating Permit (FESOP) Minor Source, under PSD, ~~Nonattainment NSR,~~ and Emission Offset Rules Minor Source under Section 112 of the Clean Air Act 1 of 28 Source Categories

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

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

. . .

(g) One (1) tin sulfate manufacturing line, identified as Mfg-4, constructed in 2006, with a maximum throughput of 13.7 pounds per hour, with emissions controlled by one (1) scrubber, identified as Scrubber #6, and exhausting to stack S-14.

~~(g)~~**(h)** One (1) paint booth, identified as PB-1, constructed in 1992, coating fiber and plastic drums and cylinders, with particulate emissions controlled by dry filters, and exhausting to stack S-9.

~~(h)~~**(i)** One (1) cylinder dryer, identified as CD-1, constructed in 1987, with a maximum capacity of 0.514 gallons per hour of paint and mineral spirits, equipped with a natural gas combustion source with a maximum capacity of 4 million British thermal units per hour, with emissions controlled by one (1) afterburner, identified as Afterburner 1, and exhausting to vent V-10.

SECTION D.1 FACILITY OPERATION CONDITIONS

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

. . .

(g) One (1) tin sulfate manufacturing line, identified as Mfg-4, constructed in 2006, with a maximum throughput of 13.7 pounds per hour, with emissions controlled by one (1) scrubber, identified as Scrubber #6, and exhausting to stack S-14.

SECTION D.2 FACILITY OPERATION CONDITIONS

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

~~(g)~~**(h)** One (1) paint booth, identified as PB-1, constructed in 1992, coating fiber and plastic drums and cylinders, with particulate emissions controlled by dry filters, and exhausting to stack S-9.

~~(h)~~**(i)** One (1) cylinder dryer, identified as CD-1, constructed in 1987, with a maximum capacity of 0.514 gallons per hour of paint and mineral spirits, equipped with a natural gas combustion source with a maximum capacity of 4 million British thermal units per hour, with emissions controlled by one (1) afterburner, identified as Afterburner 1, and exhausting to vent V-10.

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

The correct rule cites for Condition B.21 were added:

B.21 Inspection and Entry [326 IAC 2-8-5(a)(2)] [IC 13-14-2-2] **[IC 13-17-3-2][IC13-30-3-1]**

The Overall Source Limit condition has been revised to address that PM needs to be limited for PSD avoidance:

C.1 Overall Source Limit [326 IAC 2-8]

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

. . .

(b) ~~Pursuant to 326 IAC 2-3 (Emission Offset),~~ **The** potential to emit particulate matter (PM) from the entire source shall be limited to less than one-hundred (100) tons per twelve (12) consecutive month period. **This limitation shall render 326 IAC 2-2 and 326 IAC 2-3 not applicable.**

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

D.1.1 Particulate Matter (PM) [326 IAC 6.8-1-2]

Pursuant to 326 IAC 6.8-1-2 (formerly 326 IAC 6-1-2), particulate matter (PM) emissions from the rotary dryers (RD-1, RD-2, RD-3, RD-4, RD-5, and RD-6), fusion reactors (FR-1 and FR-2) and manufacturing lines (Mfg-1, Mfg-2, ~~and~~ Mfg-3**, and Mfg-4**) shall be limited to 0.03 grain per dry standard cubic foot. This limitation is equivalent to the following emissions:

Unit	PM Limit (lb/hr)	PM Limit (ton/yr)
RD-1 and RD-2 Combined (Baghouse #1, S-5)	4.17	18.25
RD-3 and RD-4 Combined (Baghouse #4, S-15)	2.06	9.01
RD-3 and RD-4 Combined (Baghouse #5, S-16)	2.06	9.01
RD-5 and RD-6 Combined (Baghouse #2, S-6)	4.50	19.71
FR-1 (Scrubber #1, S-7)	1.03	4.51
FR-2 (Scrubber #2, S-8)	1.03	4.51
~~FR-1 and FR-2 Combined (Scrubber #6, S-17)~~	~~1.03~~	~~4.51~~
Mfg-1 and Mfg-2 Combined (Scrubber #3, S-11)	4.37	19.15
Mfg-1 and Mfg-2 Combined (Scrubber #4, S-12)	2.06	9.01
Mfg-1 and Mfg-2 Combined (Scrubber #7, S-18)	1.03	4.51
Mfg-3 (Scrubber #5, S-13)	1.03	4.51
Mfg-4 (Scrubber #6, S-14)	**0.69**	**3.00**

D.1.2 Particulate Matter [326 IAC 2-8] [326 IAC 2-2] **[326 IAC 2-3]**

The Permittee shall be subject to the following limitations:

Unit	PM Limit (lb/hr)	PM10 Limit (lb/hr)	PM Limit (ton/yr)	PM10 Limit (ton/yr)
RD-1 and RD-2 Combined (Baghouse #1, S-5)	2.78	2.78	12.16	12.16

RD-3 and RD-4 Combined (Baghouse #4 and #5, S-15 and S-16)	1.78	1.78	7.80	7.80
RD-5 and RD-6 Combined (Baghouse #2, S-6)	3.00	3.00	13.14	13.14
FR-1 (Scrubber #1 ~~and #6~~, Stacks S-7 ~~and S-17~~)	0.89	0.89	1.89	1.89
FR-2 (Scrubber #2 ~~and #6~~, S-8 ~~and S-17~~)	0.89	0.89	1.89	1.89
Mfg-1 and Mfg-2 Combined (Scrubber #3, #4, and #7, S-11, S-12, and S-18)	3.31	3.31	14.15	14.15
Mfg-3 (Scrubber #5, S-13)	0.45	0.45	1.95	1.95
Mfg-4 (Scrubber #6, S-14)	**0.69**	**0.69**	**3.0**	**3.0**

These limits are equivalent to emissions of less than 57.00 tons per year of PM and less than 57.00 tons of PM10 from RD-1, RD-2, RD-3, RD-4, RD-5, RD-6, FR-1, FR-2, Mfg-1, Mfg-2, ~~and~~ Mfg-3**, and Mfg-4** combined. These limits are structured such that, when including the uncontrolled PM and PM10 emissions from PB-1, CD-1, BC-1, and insignificant combustion, the source total PM emissions are less than two hundred fifty (250) tons per year and the source total PM10 emissions are less than one hundred (100) tons per year. This renders the requirements of 326 IAC 2-7 (Part 70 Permit Program)**, 326 IAC 2-3 (Emission Offset),** and 326 IAC 2-2 (Prevention of Significant Deterioration) not applicable.

Compliance Determination Requirements

D.1.4 Particulate Control [326 IAC 2-8-5(a)(4)]

(a) In order to comply with Condition D.1.1 and D.1.2, the baghouses (Baghouse #1 and Baghouse #2, Baghouse #4, and Baghouse #5) and scrubbers (Scrubber #1 through Scrubber #7) for PM control shall be in operation and control emissions from the rotary dryers (RD-1, RD-2, RD-3, RD-4, RD-5, and RD-6), fusion reactors (FR-1 and FR-2), and manufacturing lines (Mfg-1, Mfg-2, ~~and~~ Mfg-3**, and Mfg-4**) at all times that the facilities are in operation.

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

D.1.5 Visible Emissions Notations

(a) Once per day visible emission notations of the rotary dryers (RD-1, RD-2, RD-3, RD-4, RD-5, and RD-6), fusion reactors (FR-1 and FR-2), and manufacturing lines (Mfg-1, Mfg-2, ~~and~~ Mfg-3**, and Mfg-4**) stack exhaust shall be performed during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.

D.1.8 Scrubber Parametric Monitoring

The Permittee shall monitor and record the acid content, pressure drop, and flow rate of each of the scrubbers (Scrubber #1 through Scrubber #7), at least once per day when the associated fusion reactors (FR-1 and FR-2) and manufacturing lines (Mfg-1, Mfg-2, ~~and~~ Mfg-3**, and Mfg-4**) are in operation. When for any one reading, the pressure drop, flow rate, or pH level across any of the scrubbers is outside the normal ranges listed in the table below or ranges established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C – Response to Excursions or Exceedances.

Control Devices	Pressure Drop Range (inches of water)	Min. Flow Rate (gallons/min)	Max. pH Level
Scrubbers SC-1 and SC-2	0.1 - 1.0	50	4
Scrubber SC-3	10 - 20	60	14

Scrubber SC-4	10 - 20	50	14
Scrubber SC-5	5 - 15	50	14
Scrubber SC-6 ~~(not in use)~~	~~NA~~ **0.01 – 2.0**	~~NA~~ **100**	~~NA~~ **14**
Scrubber SC-7	0.1 - 1.0	50	7

A pressure reading that is outside the above mention range, a flow rate that is below the above mentioned minimum, or an acid content above the above mentioned maximum is not a deviation from this permit. Failure to take response steps in accordance with Section C – Response to Excursions or Exceedances shall be considered a deviation from this permit.

D.1.10 Record Keeping Requirements

(a) To document compliance with Condition D.1.5 the Permittee shall maintain records of visible emission notations of the stack exhaust once per day.

(b) To document compliance with Condition D.1.6, the Permittee shall maintain records ~~per day~~ of the pressure drop **once per day** during normal operation.

…

Conclusion

This permit revision shall be subject to the conditions of the attached proposed Minor Permit Revision No. 089-23504-00094.

Appendix A: Emission Calculations
Emissions from Manufacturing Line Mfg-4

Company Name: **Mason Corporation**
Address: **1049 U.S. Highway 41, Schererville, IN 46375**
Minor Permit Revision: **089-23504-00094**
Reviewer: **ERG/ST**
Date: **September 7, 2006**

Emission Unit	Control Device	Air Flow Rate (acfm)	Outlet Grain Loading (gr/dscf)	Control Efficiency (%)	Uncontrolled PM/PM10 Emissions (tons/yr)	Controlled PM/PM10 Emissions (tons/yr)
Mfg-4	Scrubber 6	4,000	0.02	50.0%	6.01	3.00

Methodology

PTE Uncontrolled PM/PM10 (tons/yr) = Air Flow rate (acfm) x Outlet Grain Loading (gr/dscf) x 1 lb/7,000 gr x 60 mins/hr x 8760 hrs/yr x 1 ton/2,000 lbs x 1/(1 - Control Efficiency (%))
PTE Controlled PM/PM10 (tons/yr) = Air Flow rate (acfm) x Outlet Grain Loading (gr/dscf) 1 lb/7,000 gr x 60 mins/hr x 8760 hrs/yr x 1 ton/2,000 lbs