



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: March 23, 2006
RE: Mohler Technology, Inc. / 173-21870-00025
FROM: Paul Dubenetzky
Chief, Permits Branch
Office of Air Quality

Notice of Decision: Approval - Effective Immediately

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to IC 13-15-5-3, this permit is effective immediately, unless a petition for stay of effectiveness is filed and granted according to IC 13-15-6-3, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

If you wish to challenge this decision, IC 4-21.5-3 and IC 13-15-6-1 require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, 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.dot 1/10/05



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MINOR SOURCE OPERATING PERMIT OFFICE OF AIR QUALITY

**Mohler Technology, Inc.
2355 Eby Road
Boonville, Indiana 47601**

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the emission units described in Section A (Source Summary) of this permit.

This permit is issued to the above mentioned company under the provisions of 326 IAC 2-1.1, 326 IAC 2-6.1 and 40 CFR 52.780, with conditions listed on the attached pages.

| | |
|---|--|
| Operation Permit No.: MSOP 173-21870-00025 | |
| Issued by: Nisha Sizemore for Paul Dubenetzky, Assistant Commissioner Office of Air Quality | Issuance Date: March 22, 2006 Expiration Date: March 22, 2011 |

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SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1 and A.2 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 2-5.1-3(c)] [326 IAC 2-6.1-4(a)]

The Permittee owns and operates a stationary jobber motor shop that manufactures and repairs electric motors.

Authorized Individual: Larry W. Ellerbrook, Vice President
Source Address: 2355 Eby Road, Boonville, Indiana 47601
Mailing Address: P.O. Box 669, Boonville, Indiana 47601-0669
General Source Phone: (812) 897-2900
SIC Code: 7694 and 3621
County Location: Warrick
Source Location Status: Nonattainment area for 8-hour ozone and PM_{2.5}
Attainment area for all other criteria pollutants
Source Status: Minor Source Operating Permit
Minor Source, under PSD and Nonattainment NSR;
Minor Source, Section 112 of the Clean Air Act

A.2 Emissions Units and Pollution Control Equipment Summary

This stationary source is approved to operate the following emissions units and pollution control devices:

- (a) One (1) air atomization spray booth, installed in 1975, identified as Process #3, venting to Vent #8, coating metal parts, and using a dry fiber filter bafflet to collect particulate matter (PM).
- (b) One (1) three foot impregnation dip coating system, installed in 1984, identified as Point 10A, with a maximum throughput of 9800 units per year, and coating metal parts.
- (c) One (1) ten foot impregnation dip coating system, installed in 1984, identified as Point 10B, with a maximum throughput of 9800 units per year, and coating metal parts.
- (d) One (1) dip coating tank, installed in 1975, identified as Point 9, coating metal parts, with a maximum throughput of 9800 units per year, and venting through Stack #9.
- (e) One (1) natural gas-fired Bayco incinerator (paint bake-off oven), installed in 1978, identified as Process #1, with a maximum heat input capacity of 1.5 mmBtu/hr, with a burning capacity of 52 lb/hr, using an afterburner to control volatile organic compound (VOC) emissions, and venting through Stack #4.
- (f) One (1) natural gas Babbitt heating unit, installed in 1995, identified as Process #5, comprised of four (4) individual Babbitt heaters with a combined maximum heat input capacity of 1.4 mmBtu/hr and exhausting through Vent #7.
- (g) One (1) natural gas drying oven, installed in 1984, identified as Drying Oven #1, with a maximum heat input capacity of 1.260 mmBtu/hr and venting through Stacks #1A and #1B.

- (h) One (1) natural gas drying oven, installed in 1975, identified as Drying Oven #2, with a maximum heat input capacity of 0.5 mmBtu/hr and venting through Stack #2.
- (i) One (1) electric drying oven, identified as Drying Oven #3, venting through Stack #3.
- (j) Eight (8) radiant heaters, one (1) space heater, and one (1) water heater, all natural gas-fired, with a combined maximum heat input capacity of 2.86 mmBtu/hr.
- (k) Two (2) natural gas Hotsy steam cleaners, installed in 1978, identified as Process #4A, each with a maximum heat input capacity of 0.35 mmBtu/hr and venting through Stack #6.
- (l) One (1) pneumatic shot blasting process, using Type II Urea, installed in 1994, identified as Process #4B, with a maximum Type II Urea flow rate of 1,160.81 pounds per hour, and controlling particulate matter (PM) emissions with a cyclone with identification #GM9931US.
- (m) One (1) cold cleaner type degreaser (parts washer), installed in 1995, using a manual brushing agitation method, controlling volatile organic compound (VOC) emissions by using a closed lid system.
- (n) One (1) cold cleaner type degreaser (Mart cleaner), installed in September 1990, spraying with a turntable agitation method, with a maximum heat input capacity of 0.5 mmBtu/hr using natural gas, identified as Process #4C and venting through Stacks #5A and #5B.

SECTION B GENERAL CONDITIONS

THIS SECTION OF THE PERMIT IS BEING ISSUED UNDER THE PROVISIONS OF 326 IAC 2-1.1 AND 40 CFR 52.780, WITH CONDITIONS LISTED BELOW.

B.1 Permit No Defense [IC 13]

This permit to operate 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.

B.2 Definitions

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 2-1.1-1 shall prevail.

B.3 Effective Date of the Permit [IC13-15-5-3]

Pursuant to IC 13-15-5-3, this permit becomes effective upon its issuance.

B.4 Permit Term and Renewal [326 IAC 2-6.1-7(a)] [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 of this permit do not affect the expiration date.

The Permittee shall apply for an operation permit renewal at least ninety (90) days prior to the expiration date. If a timely and sufficient permit application for a renewal has been made, this permit shall not expire and all terms and conditions shall continue in effect until the renewal permit has been issued or denied.

B.5 Modification to Permit [326 IAC 2]

All requirements and conditions of this operating permit shall remain in effect unless modified in a manner consistent with procedures established for modifications of construction permits pursuant to 326 IAC 2 (Permit Review Rules).

B.6 Annual Notification [326 IAC 2-6.1-5(a)(5)]

- (a) Annual notification shall be submitted to the Office of Air Quality stating whether or not the source is in operation and in compliance with the terms and conditions contained in this permit.
- (b) Noncompliance with any condition must be specifically identified. If there are any permit conditions or requirements for which the source is not in compliance at any time during the year, the Permittee must provide a narrative description of how the source did or will achieve compliance and the date compliance was, or will be, achieved. The notification must be signed by an authorized individual.
- (c) The annual notice shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted in the format attached no later than March 1 of each year to:

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

- (d) The notification 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.

B.7 Preventive Maintenance Plan [326 IAC 1-6-3]

- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall maintain and implement Preventive Maintenance Plans (PMPs) including the following information on each facility:
- (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
 - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
 - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.
- (b) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMPs do not require the certification by an "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.8 Permit Revision [326 IAC 2-5.1-3(e)(3)] [326 IAC 2-6.1-6]

- (a) Permit revisions are governed by the requirements of 326 IAC 2-6.1-6.
- (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
- Any such application shall be certified by an "authorized individual" as defined by 326 IAC 2-1.1-1.
- (c) The Permittee shall notify the OAQ within thirty (30) calendar days of implementing a notice-only change. [326 IAC 2-6.1-6(d)]
- (d) No permit amendment or modification is required for the addition, operation or removal of a non-road engine, as defined in 40 CFR 89.2.

B.9 Inspection and Entry [326 IAC 2-5.1-3(e)(4)(B)] [326 IAC 2-6.1-5(a)(4)] [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 permitted 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 this title or the conditions of this permit or any operating permit revisions;
- (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 processes, emissions units (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit or any operating permit revisions;
- (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.10 Transfer of Ownership or Operation [326 IAC 2-6.1-6(d)(3)]

Pursuant to [326 IAC 2-6.1-6(d)(3)]:

- (a) In the event that ownership of this source is changed, the Permittee shall notify IDEM, OAQ, Permits Branch within thirty (30) days of the change.
- (b) The written notification shall be sufficient to transfer the permit to the new owner by an notice-only change pursuant to 326 IAC 2-6.1-6(d)(3).
- (c) IDEM, OAQ shall issue a revised permit.

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.

B.11 Annual Fee Payment [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.
- (b) 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.12 Credible Evidence [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

C.1 Particulate Emission Limitations for Processes with Process Weight Rates Less Than One Hundred (100) Pounds per Hour [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2(e)(2), particulate emissions from any process not exempt under 326 IAC 6-3-1(b) or (c) which has a maximum process weight rate less than 100 pounds per hour and the methods in 326 IAC 6-3-2(b) through (d) do not apply shall not exceed 0.551 pounds per hour.

C.2 Permit Revocation [326 IAC 2-1.1-9]

Pursuant to 326 IAC 2-1.1-9 (Revocation of Permits), this permit to operate may be revoked for any of the following causes:

- (a) Violation of any conditions of this permit.
- (b) Failure to disclose all the relevant facts, or misrepresentation in obtaining this permit.
- (c) Changes in regulatory requirements that mandate either a temporary or permanent reduction of discharge of contaminants. However, the amendment of appropriate sections of this permit shall not require revocation of this permit.
- (d) Noncompliance with orders issued pursuant to 326 IAC 1-5 (Episode Alert Levels) to reduce emissions during an air pollution episode.
- (e) For any cause which establishes in the judgment of IDEM, the fact that continuance of this permit is not consistent with purposes of this article.

C.3 Opacity [326 IAC 5-1]

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

- (a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute non-overlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

C.4 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.5 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

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 an "authorized individual" as defined by 326 IAC 2-7-1(34).
- (e) **Procedures for Asbestos Emission Control**
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.
- (f) **Demolition and renovation**
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).
- (g) **Indiana Accredited Asbestos Inspector**
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Accredited Asbestos inspector is not federally enforceable.

Testing Requirements

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

- (a) Compliance testing on new emissions units shall be conducted within 60 days after achieving maximum production rate, but no later than 180 days after initial start-up, if specified in Section D of this approval. 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

no later than thirty-five (35) days prior to the intended test date.

- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual date.
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ (and local agency) not later than forty-five (45) days after the completion of the testing. An extension may be granted by the IDEM, OAQ, if the Permittee submits to IDEM, OAQ, a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

C.7 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 U.S. EPA.

Compliance Monitoring Requirements

C.8 Compliance Monitoring [326 IAC 2-1.1-11]

Compliance with applicable requirements shall be documented as required by this permit. The Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. All monitoring and record keeping requirements not already legally required shall be implemented when operation begins.

C.9 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

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

C.10 Response to Excursions or Exceedances

- (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.

Record Keeping and Reporting Requirements

C.11 Malfunctions Report [326 IAC 1-6-2]

Pursuant to 326 IAC 1-6-2 (Records; Notice of Malfunction):

- (a) A record of all malfunctions, including startups or shutdowns of any facility or emission control equipment, which result in violations of applicable air pollution control regulations or applicable emission limitations shall be kept and retained for a period of three (3) years and shall be made available to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) or appointed representative upon request.
- (b) When a malfunction of any facility or emission control equipment occurs which lasts more than one (1) hour, said condition shall be reported to OAQ, using the Malfunction Report Forms (2 pages). Notification shall be made by telephone or facsimile, as soon as practicable, but in no event later than four (4) daytime business hours after the beginning of said occurrence.
- (c) Failure to report a malfunction of any emission control equipment shall constitute a violation of 326 IAC 1-6, and any other applicable rules. Information of the scope and

expected duration of the malfunction shall be provided, including the items specified in 326 IAC 1-6-2(a)(1) through (6).

- (d) Malfunction is defined as any sudden, unavoidable failure of any air pollution control equipment, process, or combustion or process equipment to operate in a normal and usual manner. [326 IAC 1-2-39]

C.12 General Record Keeping Requirements [326 IAC 2-6.1-5]

- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.
- (b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented when operation begins.

C.13 General Reporting Requirements [326 IAC 2-1.1-11] [326 IAC 2-6.1-2] [IC 13-14-1-13]

- (a) Reports required by conditions in Section D of this permit shall be submitted to:

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

- (b) 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.
- (c) Unless otherwise specified in this permit, any quarterly or semi-annual report required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. The reports do not require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (d) The first report shall cover the period commencing on the date of issuance of this permit and ending on the last day of the reporting period. Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

SECTION D.1

EMMISSIONS UNITS OPERATION CONDITIONS

Emissions Unit Description:

One (1) air atomization spray booth, installed in 1975, identified as Process #3, venting to Vent #8, coating metal parts, and using a dry fiber filter bafflet to collect particulate matter (PM).

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

Emission Limitations and Standards

D.1.1 Particulate [326 IAC 6-3-2(d)]

- (a) Particulate from the air atomization spray booth (Process #3) shall be controlled by a dry particulate filter, and the Permittee shall operate the control device in accordance with manufacturer's specifications.
- (b) If overspray is visibly detected at the exhaust or accumulates on the ground, the Permittee shall inspect the control device and do either of the following no later than four (4) hours after such observation:
 - (1) Repair control device so that no overspray is visibly detectable at the exhaust or accumulates on the ground.
 - (2) Operate equipment so that no overspray is visibly detectable at the exhaust or accumulates on the ground.
- (c) If overspray is visibly detected, the Permittee shall maintain a record of the action taken as a result of the inspection, any repairs of the control device, or change in operations, so that overspray is not visibly detected at the exhaust or accumulates on the ground. These records must be maintained for five (5) years.

D.1.2 Preventive Maintenance Plan [326 IAC 1-6-3]

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

Record Keeping and Reporting Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.1.3 Record Keeping Requirements

- (a) To document compliance with Condition D.1.1, the Permittee shall maintain records in accordance with Condition D.1.1.
- (b) All records shall be maintained in accordance with Section C – General Record Keeping Requirements, of this permit.

SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

One (1) pneumatic shot blasting process, using Type II Urea, installed in 1994, identified as Process #4B, with a maximum Type II Urea flow rate of 1,160.81 pounds per hour, and controlling particulate matter (PM) emissions with a cyclone with identification #GM9931US.

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

Emission Limitations and Standards

D.2.1 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the pneumatic shot blasting process shall not exceed 2.85 pounds per hour when operating at a process weight rate of 1,160.81 pounds per hour. The pounds per hour limitation was calculated using the following equation:

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

$$E = 4.10 P^{0.67}$$

where E = rate of emission in pounds per hour;
and P = process weight rate in tons per hour

Compliance Determination Requirements

D.2.2 Particulate Control

Pursuant to MSOP 173-12265-00025, issued on March 15, 2001, and in order to comply with D.2.1, the cyclone for particulate control shall be in operation and control emissions from the pneumatic shot blasting process at all times that the facility is in operation.

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

D.2.3 Cyclone Failure Detection

In the event that cyclone failure has been observed:

Failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Failure to take response steps in accordance with Section C – Response to Excursions or Exceedances shall be considered a deviation from this permit.

SECTION D.3 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

One (1) natural gas-fired Bayco incinerator (paint bake-off oven), installed in 1978, identified as Process #1, with a maximum heat input capacity of 1.5 mmBtu/hr, with a burning capacity of 52 lb/hr, using an afterburner to control volatile organic compound (VOC) emissions, and venting through Stack #4.

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

Emission Limitations and Standards

D.3.1 Burning Regulations [326 IAC 4-2-2]

Pursuant to 326 IAC 4-2-2, the Bayco paint burn-off incinerator shall:

- (a) Consist of primary and secondary chambers or the equivalent.
- (b) Be equipped with a primary burner unless burning wood products.
- (c) Comply with 326 IAC 1-5 and 326 IAC 2.
- (d) Be maintained properly as specified by the manufacturer and approved by the commissioner.
- (e) Be operated according to the manufacturer's recommendations and only burn waste approved by the commissioner.
- (f) Comply with other state and/or local rules or ordinances regarding installation and operation of incinerators.
- (g) Be operated so that emissions of hazardous material including, but not limited to, viable pathogenic bacteria, dangerous chemicals or gases, or noxious odors are prevented.
- (h) Not emit particulate matter in excess of:
 - (1) Incinerators with a maximum refuse-burning capacity of two hundred (200) or more pounds per hour: three-tenths (0.3) pounds of particulate matter per one thousand (1,000) pounds of dry exhaust gas at standard conditions corrected to fifty percent (50%) excess air; or
 - (2) All other incinerators: five-tenths (0.5) pounds of particulate matter per one thousand (1,000) pounds of dry exhaust has at standard conditions corrected to fifty percent (50%) excess air.
- (i) Not create a nuisance or a fire hazard.

If any of the above requirements are not met, the burning shall be terminated immediately.

SECTION D.4 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

- (a) One (1) cold cleaner type degreaser (parts washer), installed in 1995, using a manual brushing agitation method, controlling volatile organic compound (VOC) emissions by using a closed lid system.
- (b) One (1) cold cleaner type degreaser (Mart cleaner), installed in September 1990, spraying with a turntable agitation method, with a maximum heat input capacity of 0.5 mmBtu/hr using natural gas, identified as Process #4C and venting through Stacks #5A and #5B.

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

Emission Limitations and Standards

D.4.1 Volatile Organic Compounds (VOC) [326 IAC 8-3-2]

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operations), for cold cleaning operations constructed after January 1, 1980, the Permittee shall:

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

D.4.2 Volatile Organic Compounds (VOC) [326 IAC 8-3-5]

(a) Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), for cold cleaner degreaser operations without remote solvent reservoirs constructed after July 1, 1990, the Permittee shall ensure that the following control equipment requirements are met:

- (1) Equip the degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:
 - (A) The solvent volatility is greater than two (2) kiloPascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F));
 - (B) The solvent is agitated; or
 - (C) The solvent is heated.
- (2) Equip the degreaser with a facility for draining cleaned articles. If the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at

thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)), then the drainage facility must be internal such that articles are enclosed under the cover while draining. The drainage facility may be external for applications where an internal type cannot fit into the cleaning system.

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

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

**MINOR SOURCE OPERATING PERMIT
ANNUAL NOTIFICATION**

This form should be used to comply with the notification requirements under 326 IAC 2-6.1-5(a)(5).

| | |
|----------------------|-------------------------|
| Company Name: | Mohler Technology, Inc. |
| Address: | 2355 Eby Road |
| City: | Boonville, IN 47601 |
| Phone #: | (812) 897-2900 |
| MSOP #: | M173-21870-00025 |

I hereby certify that Mohler Technology, Inc. is still in operation.
 no longer in operation.

I hereby certify that Mohler Technology, Inc. is in compliance with the requirements of MSOP 173-21870-00025.
 not in compliance with the requirements of MSOP 173-21870-00025.

| |
|---------------------------------------|
| Authorized Individual (typed): |
| Title: |
| Signature: |
| Date: |

If there are any conditions or requirements for which the source is not in compliance, provide a narrative description of how the source did or will achieve compliance and the date compliance was, or will be achieved.

| |
|-----------------------|
| Noncompliance: |
| |
| |
| |
| |
| |

MALFUNCTION REPORT

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
FAX NUMBER - 317 233-5967**

**This form should only be used to report malfunctions applicable to Rule 326 IAC 1-6
and to qualify for the exemption under 326 IAC 1-6-4.**

THIS FACILITY MEETS THE APPLICABILITY REQUIREMENTS BECAUSE IT HAS POTENTIAL TO EMIT 25 TONS/YEAR PARTICULATE MATTER ?_____, 25 TONS/YEAR SULFUR DIOXIDE ?_____, 25 TONS/YEAR NITROGEN OXIDES?_____, 25 TONS/YEAR VOC ?_____, 25 TONS/YEAR HYDROGEN SULFIDE ?_____, 25 TONS/YEAR TOTAL REDUCED SULFUR ?_____, 25 TONS/YEAR REDUCED SULFUR COMPOUNDS ?_____, 25 TONS/YEAR FLUORIDES ?_____, 100TONS/YEAR CARBON MONOXIDE ?_____, 10 TONS/YEAR ANY SINGLE HAZARDOUS AIR POLLUTANT ?_____, 25 TONS/YEAR ANY COMBINATION HAZARDOUS AIR POLLUTANT ?_____, 1 TON/YEAR LEAD OR LEAD COMPOUNDS MEASURED AS ELEMENTAL LEAD ?_____, OR IS A SOURCE LISTED UNDER 326 IAC 2-5.1-3(2) ?_____. EMISSIONS FROM MALFUNCTIONING CONTROL EQUIPMENT OR PROCESS EQUIPMENT CAUSED EMISSIONS IN EXCESS OF APPLICABLE LIMITATION _____.

THIS MALFUNCTION RESULTED IN A VIOLATION OF: 326 IAC _____ OR, PERMIT CONDITION # _____ AND/OR PERM LIMIT OF _____

THIS INCIDENT MEETS THE DEFINITION OF 'MALFUNCTION' AS LISTED ON REVERSE SIDE ? Y N

THIS MALFUNCTION IS OR WILL BE LONGER THAN THE ONE (1) HOUR REPORTING REQUIREMENT ? Y N

COMPANY: _____ PHONE NO. () _____
LOCATION: (CITY AND COUNTY) _____
PERMIT NO. _____ AFS PLANT ID: _____ AFS POINT ID: _____ INSP: _____
CONTROL/PROCESS DEVICE WHICH MALFUNCTIONED AND REASON: _____

DATE/TIME MALFUNCTION STARTED: ____/____/19____ _____ AM / PM

ESTIMATED HOURS OF OPERATION WITH MALFUNCTION CONDITION: _____

DATE/TIME CONTROL EQUIPMENT BACK-IN SERVICE ____/____/19____ _____ AM/PM

TYPE OF POLLUTANTS EMITTED: TSP, PM-10, SO2, VOC, OTHER: _____

ESTIMATED AMOUNT OF POLLUTANT EMITTED DURING MALFUNCTION: _____

MEASURES TAKEN TO MINIMIZE EMISSIONS: _____

REASONS WHY FACILITY CANNOT BE SHUTDOWN DURING REPAIRS:

CONTINUED OPERATION REQUIRED TO PROVIDE ESSENTIAL* SERVICES: _____

CONTINUED OPERATION NECESSARY TO PREVENT INJURY TO PERSONS: _____

CONTINUED OPERATION NECESSARY TO PREVENT SEVERE DAMAGE TO EQUIPMENT: _____

INTERIM CONTROL MEASURES: (IF APPLICABLE) _____

MALFUNCTION REPORTED BY: _____ TITLE: _____
(SIGNATURE IF FAXED)

MALFUNCTION RECORDED BY: _____ DATE: _____ TIME: _____

*SEE PAGE 2

Please note - This form should only be used to report malfunctions applicable to Rule 326 IAC 1-6 and to qualify for the exemption under 326 IAC 1-6-4.

326 IAC 1-6-1 Applicability of rule

Sec. 1. This rule applies to the owner or operator of any facility required to obtain a permit under 326 IAC 2-5.1 or 326 IAC 2-6.1.

326 IAC 1-2-39 "Malfunction" definition

Sec. 39. Any sudden, unavoidable failure of any air pollution control equipment, process, or combustion or process equipment to operate in a normal and usual manner.

***Essential services** are interpreted to mean those operations, such as, the providing of electricity by power plants. Continued operation solely for the economic benefit of the owner or operator shall not be sufficient reason why a facility cannot be shutdown during a control equipment shutdown.

If this item is checked on the front, please explain rationale:

**Indiana Department of Environmental Management
Office of Air Quality**

Technical Support Document (TSD) for a Minor Source Operating Permit Renewal

Source Background and Description

| | |
|--|--|
| Source Name: | Mohler Technology, Inc. |
| Source Location: | 2355 Eby Road, Boonville, Indiana 47601 |
| County: | Warrick |
| SIC Code: | 7694 and 3621 |
| Operation Permit No.: | MSOP 173-12265-00025 |
| Operation Permit Issuance Date: | March 15, 2001 |
| Permit Renewal No.: | MSOP 173-21870-00025 |
| Permit Reviewer: | Chrystal Wagner |

The Office of Air Quality (OAQ) has reviewed an application from Mohler Technology, Inc. relating to the operation of one jobber motor shop that manufactures and repairs electric motors.

Permitted Emission Units and Pollution Control Equipment

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

- (a) One (1) air atomization spray booth, installed in 1975, identified as Process #3, venting to Vent #8, coating metal parts, and using a dry fiber filter bafflet to collect particulate matter (PM).
- (b) One (1) three foot impregnation dip coating system, installed in 1984, identified as Point 10A, with a maximum throughput of 9800 units per year, and coating metal parts.
- (c) One (1) ten foot impregnation dip coating system, installed in 1984, identified as Point 10B, with a maximum throughput of 9800 units per year, and coating metal parts.
- (d) One (1) dip coating tank, installed in 1975, identified as Point 9 and venting through Stack #9, with a maximum throughput of 9800 units per year, and coating metal parts.
- (e) One (1) natural gas-fired Bayco incinerator (paint bake-off oven), installed in 1978, identified as Process #1, with a maximum heat input capacity of 1.5 mmBtu/hr, with a burning capacity of 52 lb/hr, using an afterburner to control volatile organic compound (VOC) emissions, and venting through Stack #4.
- (f) One (1) natural gas Babbitt heating unit, installed in 1995, identified as Process #5, comprised of four (4) individual Babbitt heaters with a combined maximum heat input capacity of 1.4 mmBtu/hr and exhausting through Vent #7.
- (g) One (1) natural gas drying oven, installed in 1984, identified as Drying Oven #1, with a maximum heat input capacity of 1.260 mmBtu/hr and venting through Stacks #1A and #1B.
- (h) One (1) natural gas drying oven, installed in 1975, identified as Drying Oven #2, with a maximum heat input capacity of 0.5 mmBtu/hr and venting through Stack #2.

- (i) One (1) electric drying oven, identified as Drying Oven #3, venting through Stack #3.
- (j) Eight (8) radiant heaters, one (1) space heater, and one (1) water heater, all natural gas-fired, with a combined maximum heat input capacity of 2.86 mmBtu/hr.
- (k) Two (2) natural gas Hotsy steam cleaners, installed in 1978, identified as Process #4A, each with a maximum heat input capacity of 0.35 mmBtu/hr and venting through Stack #6.
- (l) One (1) pneumatic shot blasting process, using Type II Urea, installed in 1994, identified as Process #4B, with a maximum Type II Urea flow rate of 1,160.81 pounds per hour, and controlling particulate matter (PM) emissions with a cyclone with identification #GM9931US.
- (m) One (1) cold cleaner type degreaser (parts washer), installed in 1995, using a manual brushing agitation method, controlling volatile organic compound (VOC) emissions by using a closed lid system.
- (n) One (1) cold cleaner type degreaser (Mart cleaner), installed in September 1990, spraying with a turntable agitation method, with a maximum heat input capacity of 0.5 mmBtu/hr using natural gas, identified as Process #4C and venting through Stacks #5A and #5B.

Unpermitted Emission Units and Pollution Control Equipment

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

Existing Approvals

The source has been operating under previous approvals including, but no limited to, the following:
MSOP 173-12265-00025 issued on March 15, 2001.

All conditions from previous approvals were incorporated into this permit.

Enforcement Issue

There are no enforcement actions pending.

Stack Summary

| Stack ID | Operation | Height (ft) | Diameter (ft) | Flow Rate (acfm) | Temperature (°F) |
|----------|------------|-------------|---------------|------------------|------------------|
| 1A & 1B | Process 2 | 35 | 0.83 | 750-1000 cfm | 450 |
| 2 | Process 2 | 33 | 0.67 | Unknown | 450 |
| 3 | Process 2 | 33 | 0.50 | Unknown | 450 |
| 4 | Process 1 | 34 | 1.25 | 680 scfm | 1300 |
| 5A & 5B | Process 4C | 44.17 | 1.00 | N/A | N/A |
| 6 | Process 4A | 25 | 0.83 | N/A | N/A |
| 9 | Process 2 | 33 | 2.0 | 7850 | Ambient |

Recommendation

The staff recommends to the Commissioner that the operation 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.

A complete application for the purposes of this review was received on October 17, 2005.

Emission Calculations

See Appendix A, pages 1 through 8, of this document for detailed emission calculations.

Potential to Emit of the Source Before Controls

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

| Pollutant | Potential to Emit (tons/yr) |
|------------------|-----------------------------|
| PM | 52.67 |
| PM ₁₀ | 52.87 |
| SO ₂ | 0.0 |
| VOC | 37.25 |
| CO | 3.2 |
| NO _x | 3.8 |

| HAP | Potential to Emit (tons/yr) |
|---------------------|-----------------------------|
| Xylene | 6.80 |
| Toluene | 0.05 |
| Ethylbenzene | 0.05 |
| Tetrachloroethylene | 0.05 |
| MEK | 1.60 |
| Total Other HAP | <0.1 |
| Total | 8.65 |

- (a) The potential to emit of all criteria pollutants are less than 100 tons per year. Therefore, the source is not subject to the provisions of 326 IAC 2-7, Part 70.
- (b) The potential to emit of any single HAP is less than ten (10) tons per year and the potential to emit (as defined in 326 IAC 2-7-1(29)) of a combination of HAP is less than twenty-five (25) tons per year. Therefore, the source is not subject to the provisions of 326 IAC 2-7, Part 70.
- (c) The potential to emit of PM, PM10, and VOC is greater than 25 tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-6.1. A Minor Source Operating Permit (MSOP) will be issued.
- (d) Fugitive Emissions
Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2 and since there are no applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive particulate matter (PM) and volatile

organic compound (VOC) emissions are not counted toward determination of PSD and Emission Offset applicability.

County Attainment Status

The source is located in Warrick County.

| Pollutant | Status |
|-------------------|---------------------|
| PM ₁₀ | Attainment |
| PM _{2.5} | Nonattainment |
| SO ₂ | Attainment |
| NO ₂ | Attainment |
| 1-hour Ozone | Attainment |
| 8-hour Ozone | Basic Nonattainment |
| CO | Attainment |
| Lead | Attainment |

- (a) U.S. EPA in Federal Register Notice 70 FR 943 dated January 5, 2005 has designated Warrick County as nonattainment for PM_{2.5}. On March 7, 2005, the Indiana Attorney General's Office on behalf of IDEM filed a lawsuit with the Court of Appeals for the District of Columbia Circuit challenging U.S. EPA's designation of nonattainment areas without sufficient data. However, in order to ensure that sources are not potentially liable for violation of the Clean Air Act, OAQ is following U.S. EPA's guidance to regulate PM₁₀ emissions as surrogate for PM_{2.5} emissions pursuant to the Nonattainment New Source Review requirements. See the State Rule Applicability for the source section.
- (b) Volatile organic compounds (VOC) and nitrogen oxides (NO_x) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQA) for ozone. Therefore, VOC and NO_x emissions are considered when evaluating the rule applicability relating to the ozone standards. Warrick County has been designated as nonattainment for the 8-hour ozone standard. Therefore, VOC and NO_x emissions were reviewed pursuant to the requirements for nonattainment new source review.
- (c) Warrick County has been classified as attainment or unclassifiable in Indiana for PM₁₀, SO₂, NO₂, CO, and lead. 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.
- (d) Fugitive Emissions
Since this type of operation is not one of the 28 listed source categories under 326 IAC 2-2 or 2-3 and since there are no applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive particulate matter (PM) and volatile organic compound (VOC) emissions are not counted toward determination of PSD and Emission Offset applicability.

Source Status

Existing Source PSD, Part 70, or FESOP Definition (emissions after controls, based on 8760 hours of operation per year at rated capacity and/or as otherwise limited):

| Pollutant | Emissions (tons/yr) |
|------------------|---------------------|
| PM | <100 |
| PM ₁₀ | <100 |
| SO ₂ | <100 |
| VOC | <100 |
| CO | <100 |
| NO _x | <100 |
| Single HAP | <10 |
| Combination HAP | <25 |

- (a) This existing source is **not** a major stationary source because no nonattainment regulated pollutant is emitted at a rate of 100 tons per year or greater, no attainment regulated pollutant is emitted at a rate of 250 tons per year or greater, and it is not in one of the 28 listed source categories.
- (b) These emissions were based on the Part 70 application submitted by the company.

Part 70 Permit Determination

326 IAC 2-7 (Part 70 Permit Program)

This existing source is not subject to the Part 70 Permit requirements because the potential to emit (PTE) of:

- (a) each criteria pollutant is less than 100 tons per year,
- (b) a single hazardous air pollutant (HAP) is less than 10 tons per year, and
- (c) any combination of HAP is less than 25 tons per year.

This status is based on all the air approvals issued to the source. This status has been verified by the OAQ inspector assigned to the source.

Federal Rule Applicability

- (a) The requirements of New Source Performance Standards (NSPS) 40 CFR 60, Subpart E (Standards of Performance for Incinerators) are not included in this permit because this NSPS applies to incinerators with a charging rate of greater than 50 tons per day.
- (b) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP), 40 CFR 63, Subpart T (National Emission Standards for Halogenated Solvent Cleaning) are not included in this permit because the solvents used in the degreaser and Mart cleaner are not one of the solvents described in the applicability section.
- (c) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP), 40 CFR 63, Subpart M (National Emission Standards for Surface Coating of Miscellaneous Metal Parts and Products) are not included in this permit because this source is not a major source of HAP.
- (d) The requirements of National Emission Standards for Hazardous Air Pollutants (NESHAP), 40 CFR 63, Subpart D (National Emission Standards for Industrial,

Commercial, and Institutional Boiler and Process Heaters) are not included in this permit because this source is not a major source of HAP.

State Rule Applicability – Entire Source

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

The unrestricted potential emissions of each attainment criteria pollutant are less than 250 tons per year. Therefore, this source, which is not one of the 28 listed source categories, is a minor source pursuant to 326 IAC 2-2, PSD.

326 IAC 2-3 (Emission Offset)

The unrestricted potential emissions of VOC, NO_x and PM₁₀ are each less than 100 tons per year. (PM₁₀ emissions are used as a surrogate for PM_{2.5} emissions.) Therefore, this source is a minor source pursuant to 326 IAC 2-3, Emission Offset.

326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))

This source is not a major source of HAP. Therefore, 326 IAC 2-4.1 does not apply.

326 IAC 2-6 (Emission Reporting)

This source is not required to have a Part 70 operating permit, is not located in Lake or Porter County, and does not have lead emissions that are equal to or greater than five (5) tons per year. Therefore, 326 IAC 2-6 does not apply.

326 IAC 5-1 (Opacity Limitations)

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

- (a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

State Rule Applicability – Individual Facilities

326 IAC 4-2 (Burning Regulations for Incinerators)

The Bayco incinerator, identified as Process #1, meets the definition of “incinerator” pursuant to 326 IAC 1-2-34. It is a paint burn-off incinerator, and does not meet any of the exemption criteria listed in 326 IAC 4-2-1(b). Therefore, 326 IAC 4-2 (Burning Regulations for Incinerators) applies to the Bayco incinerator. Pursuant to 326 IAC 4-2-2, the Bayco incinerator shall:

- (a) Consist of primary and secondary chambers or the equivalent.
- (b) Be equipped with a primary burner unless burning wood products.
- (c) Comply with 326 IAC 1-5 and 326 IAC 2.
- (d) Be maintained properly as specified by the manufacturer and approved by the commissioner.
- (e) Be operated according to the manufacturer’s recommendations and only burn waste approved by the commissioner.

- (f) Comply with other state and/or local rules or ordinances regarding installation and operation of incinerators.
- (g) Be operated so that emissions of hazardous material including, but not limited to, viable pathogenic bacteria, dangerous chemicals or gases, or noxious odors are prevented.
- (h) Not emit particulate matter in excess of:
 - (1) Incinerators with a maximum refuse-burning capacity of two hundred (200) or more pounds per hour: three-tenths (0.3) pounds of particulate matter per one thousand (1,000) pounds of dry exhaust gas at standard conditions corrected to fifty percent (50%) excess air; or
 - (2) All other incinerators: five-tenths (0.5) pounds of particulate matter per one thousand (1,000) pounds of dry exhaust gas at standard conditions corrected to fifty percent (50%) excess air.
- (i) Not create a nuisance or a fire hazard.

If any of the above requirements are not met, the burning shall be terminated immediately.

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

Pursuant to 326 IAC 6-3-2(d), particulate from the surface coating, Process #3, shall be controlled by a dry particulate filter and the Permittee shall operate the control device in accordance with manufacturer's specifications.

If overspray is visibly detected at the exhaust or accumulates on the ground, the Permittee shall inspect the control device and do either of the following no later than four (4) hours after such observation:

Repair control device so that no overspray is visibly detectable at the exhaust or accumulates on the ground.

Operate equipment so that no overspray is visibly detectable at the exhaust or accumulates on the ground.

If overspray is visibly detected, the Permittee shall maintain a record of the action taken as a result of the inspection, any repairs of the control device, or change in operations, so that overspray is not visibly detected at the exhaust or accumulates on the ground. These records must be maintained for five (5) years.

Pursuant to 326 IAC 6-3-1, the dip coating operations, Point 10A, Point 10B, and Point 9, are exempt from particulate emission limitations under this rule, 326 IAC 6-3 (Particulate Emission Limitations for Manufacturing Processes).

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

Pursuant to 326 IAC 6-3-2(e), particulate emissions from the pneumatic shot blasting operation shall be limited to 2.85 pounds per hour when operating at a maximum capacity flow rate of 1,160.81 pounds per hour, as calculated by the following equation:

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

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

The cyclone shall be in operation at all times the pneumatic shot blasting is in operation, in order to comply with this limit.

326 IAC 8-1-6 (New Facilities; General Reduction Requirements)

326 IAC 8-1-6 does not apply to the air atomization spray booth (Process #3) and the dip coating tank (Point 9) because each was constructed prior to January 1, 1980.

326 IAC 8-1-6 does not apply to the impregnation dip coating systems (Point 10A and Point 10B), installed in 1984, because the potential VOC emissions from these facilities is less than 25 tons per year.

326 IAC 8-2-9 (Miscellaneous Metal Coating)

Pursuant to 326 IAC 8-2-1, this rule does not apply to the air atomization spray booth (Process #3) and the dip coating tank (Point 9) because each was constructed prior to November 1, 1980.

Pursuant to 326 IAC 8-2-1, this rule does not apply to the impregnation dip coating systems (Point 10A and Point 10B), installed in 1984, because the potential VOC emissions from these facilities is less than 25 tons per year.

326 IAC 8-3 (Organic Solvent Degreasing Operations)

326 IAC 8-3 applies to the cold cleaner degreasers (Mart cleaner and parts washer) because each unit was installed after July 1, 1990.

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operations), the Permittee shall:

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

Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), the Permittee shall ensure the following control equipment requirements are met:

- (a) Equip the degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:
 - (1) The solvent volatility is greater than two (2) kiloPascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F));
 - (2) The solvent is agitated; or
 - (3) The solvent is heated.
- (b) Equip the degreaser with a facility for draining cleaned articles. If the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius

(38°C) (one hundred degrees Fahrenheit (100°F)), then the drainage facility must be internal such that articles are enclosed under the cover while draining. The drainage facility may be external for applications where an internal type cannot fit into the cleaning system.

- (c) Provide a permanent, conspicuous label which lists the operating requirements outlined in 326 IAC 8-3-5(b).
- (d) The solvent spray, if used, must be a solid, fluid stream and shall be applied at a pressure which does not cause excessive splashing.
- (e) Equip the degreaser with one (1) of the following control devices if the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)), or if the solvent is heated to a temperature greater than forty-eight and nine tenths degrees Celsius (48.9°C) (one hundred twenty degrees Fahrenheit (120°F)):
 - (1) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.
 - (2) A water cover when solvent used is insoluble in, and heavier than, water.
 - (3) Other systems of demonstrated equivalent control such as a refrigerated chiller or carbon adsorption. Such systems shall be submitted to U.S. EPA as a SIP revision.

Pursuant to 326 IAC 8-3-5(b), the Permittee shall ensure that the following operating requirements are met:

- (a) Close the cover whenever articles are not being handled in the degreaser.
- (b) Drain cleaned articles for at least fifteen (15) seconds or until dripping ceases.
- (c) Store waste solvent only in covered containers and prohibit the disposal or transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent by weight could evaporate.

Conclusion

The operation of this jobber motor shop that manufactures and repairs electric motors shall be subject to the conditions of the Minor Source Operating Permit 173-21870-00025.

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

All Natural Gas Combustion Units***

**Company Name: Mohler Technology, Inc.
Address City IN Zip: 2355 Eby Road, Boonville, Indiana 47601
Permit Number: MSOP 173-21870-00025
Plt ID: 173-00025
Reviewer: Chrystal Wagner
Date: January 18, 2006**

Heat Input Capacity
MMBtu/hr

Potential Throughput
MMCF/yr

8.7

76.4

| Emission Factor in lb/MMCF | Pollutant | | | | | |
|-------------------------------|-----------|-------|-----|-------------|-----|------|
| | PM* | PM10* | SO2 | NOx | VOC | CO |
| | 1.9 | 7.6 | 0.6 | 100.0 | 5.5 | 84.0 |
| | | | | **see below | | |
| Potential Emission in tons/yr | 0.1 | 0.3 | 0.0 | 3.8 | 0.2 | 3.2 |

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

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

***Natural gas units include: One Babbitt cleaning unit (1.4 mmBtu/hr), Drying Oven #1 (1.26 mmBtu/hr), Drying Oven #2 (0.5 mmBtu/hr); one water heater, 8 radiant heaters, and one space heater (2.86 mmBtu/hr); one Mart cleaner (0.5 mmBtu/hr); two steam cleaners (0.7 mmBtu/hr); and one Bayco incinerator (1.5 mmBtu/hr).

Methodology

All emission factors are based on normal firing.

MMBtu = 1,000,000 Btu

MMCF = 1,000,000 Cubic Feet of Gas

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

Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03 (SUPPLEMENT D 3/98)

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

See page 2 for HAP emissions calculations.

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

**All Natural Gas Combustion Units
HAP Emissions**

**Company Name: Mohler Technology, Inc.
Address City IN Zip: 2355 Eby Road, Boonville, Indiana 47601
Permit Number: MSOP 173-21870-00025
Plt ID: 173-00025
Reviewer: Chrystal Wagner
Date: January 18, 2006**

| HAP - Organics | | | | | |
|-------------------------------|--------------------|----------------------------|-------------------------|-------------------|--------------------|
| Emission Factor in lb/MMcf | Benzene 2.1E-03 | Dichlorobenzene 1.2E-03 | Formaldehyde 7.5E-02 | Hexane 1.8E+00 | Toluene 3.4E-03 |
| Potential Emission in tons/yr | 8.021E-05 | 4.583E-05 | 2.865E-03 | 6.875E-02 | 1.299E-04 |

| HAP - Metals | | | | | |
|-------------------------------|-----------------|--------------------|---------------------|----------------------|-------------------|
| Emission Factor in lb/MMcf | Lead 5.0E-04 | Cadmium 1.1E-03 | Chromium 1.4E-03 | Manganese 3.8E-04 | Nickel 2.1E-03 |
| Potential Emission in tons/yr | 1.910E-05 | 4.201E-05 | 5.347E-05 | 1.451E-05 | 8.021E-05 |

Methodology is the same as page 1.

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

Appendix A: Emission Calculations

Abrasive Blasting - Confined

Company Name: Mohler Technology, Inc.
 Address City IN Zip: 2355 Eby Road, Boonville, Indiana 47601
 Permit Number: MSOP 173-21870-00025
 Pit ID: 173-00025
 Reviewer: Chrystal Wagner
 Date: January 19, 2006

Table 1 - Emission Factors for Abrasives

| Abrasive | Emission Factor | |
|------------|---------------------|-----------------|
| | lb PM / lb abrasive | lb PM10 / lb PM |
| Sand | 0.041 | 0.70 |
| Grit | 0.010 | 0.70 |
| Steel Shot | 0.004 | 0.86 |
| Other | 0.010 | |

Table 2 - Density of Abrasives (lb/ft3)

| Abrasive | Density (lb/ft3) |
|--------------|------------------|
| Al oxides | 160 |
| Sand | 99 |
| Steel | 487 |
| Type II Urea | 34 |

Table 3 - Sand Flow Rate (FR1) Through Nozzle (lb/hr)

Flow rate of Sand Through a Blasting Nozzle as a Function of Nozzle pressure and Internal Diameter

| Internal diameter, in | Nozzle Pressure (psig) | | | | | | | |
|-----------------------|------------------------|------|------|------|------|------|------|------|
| | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |
| 1/8 | 28 | 35 | 42 | 49 | 55 | 63 | 70 | 77 |
| 3/16 | 65 | 80 | 94 | 107 | 122 | 135 | 149 | 165 |
| 1/4 | 109 | 138 | 168 | 195 | 221 | 255 | 280 | 309 |
| 5/16 | 205 | 247 | 292 | 354 | 377 | 420 | 462 | 507 |
| 3/8 | 285 | 355 | 417 | 477 | 540 | 600 | 657 | 720 |
| 7/16 | 385 | 472 | 560 | 645 | 755 | 820 | 905 | 940 |
| 1/2 | 503 | 615 | 725 | 835 | 945 | 1050 | 1160 | 1265 |
| 5/8 | 820 | 990 | 1170 | 1336 | 1510 | 1680 | 1850 | 2030 |
| 3/4 | 1140 | 1420 | 1670 | 1915 | 2160 | 2400 | 2630 | 2880 |
| 1 | 2030 | 2460 | 2900 | 3340 | 3780 | 4200 | 4640 | 5060 |

Calculations

Adjusting Flow Rates for Different Abrasives and Nozzle Diameters

Flow Rate (FR) = Abrasive flow rate (lb/hr) with internal nozzle diameter (ID)

FR1 = Sand flow rate (lb/hr) with internal nozzle diameter (ID1) From Table 3 =

D = Density of abrasive (lb/ft3) From Table 2 =

D1 = Density of sand (lb/ft3) =

ID = Actual nozzle internal diameter (in) =

ID1 = Nozzle internal diameter (in) from Table 3 =

| |
|--------|
| 2880 |
| 34 |
| 99 |
| 0.8125 |
| 0.75 |

Flow Rate (FR) (lb/hr) = 1160.808 per nozzle

Uncontrolled Emissions (E, lb/hr)

EF = emission factor (lb PM/ lb abrasive) From Table 1 =

FR = Flow Rate (lb/hr) =

w = fraction of time of wet blasting =

N = number of nozzles =

| |
|----------|
| 0.010 |
| 1160.808 |
| 0 % |
| 1 |

| | |
|--------------------------|--------------|
| Uncontrolled Emissions = | 11.61 lb/hr |
| | 50.84 ton/yr |

METHODOLOGY

Emission Factors from STAPPA/ALAPCO "Air Quality Permits", Vol. I, Section 3 "Abrasive Blasting" (1991 edition)

Ton/yr = lb/hr X 8760 hr/yr X ton/2000 lbs

Flow Rate (FR) (lb/hr) = FR1 x (ID/ID1)2 x (D/D1)

E = EF x FR x (1-w/200) x N

w should be entered in as a whole number (if w is 50%, enter 50)

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

**Company Name: Mohler Technology, Inc.
Address City IN Zip: 2355 Eby Road, Boonville, Indiana 47601
Permit Number: MSOP 173-21870-00025
Plt ID: 173-00025
Reviewer: Chrystal Wagner
Date: January 19, 2006**

Process #3

| Material | Density (Lb/Gal) | Weight % Volatile (H2O & Organics) | Weight % Water | Weight % Organics | Volume % Water | Volume % Non-Volatiles (solids) | Gal of Mat. (gal/unit) | Maximum (unit/hour) | Pounds VOC per gallon of coating less water | Pounds VOC per gallon of coating | Potential VOC pounds per hour | Potential VOC pounds per day | Potential VOC tons per year | Particulate Potential (ton/yr) | lb VOC/gal solids | Transfer Efficiency |
|----------------|------------------|------------------------------------|----------------|-------------------|----------------|---------------------------------|------------------------|---------------------|---|----------------------------------|-------------------------------|------------------------------|-----------------------------|--------------------------------|-------------------|---------------------|
| Coating 991308 | 8.7 | 85.00% | 0.0% | 85.0% | 0.0% | 21.94% | 0.25000 | 1.120 | 7.41 | 7.41 | 2.08 | 49.81 | 9.09 | 1.20 | 33.78 | 25% |
| Coating 993919 | 7.5 | 74.80% | 0.0% | 74.8% | 0.0% | 14.05% | 0.25000 | 1.120 | 5.60 | 5.60 | 1.57 | 37.60 | 6.86 | 1.73 | 39.82 | 25% |

Potential Emissions from Worst Case Coating

2.08 49.81 9.09 1.73

METHODOLOGY

Pounds of VOC per Gallon Coating less Water = (Density (lb/gal) * Weight % Organics) / (1-Volume % water)
Pounds of VOC per Gallon Coating = (Density (lb/gal) * Weight % Organics)
Potential VOC Pounds per Hour = Pounds of VOC per Gallon coating (lb/gal) * Gal of Material (gal/unit) * Maximum (units/hr)
Potential VOC Pounds per Day = Pounds of VOC per Gallon coating (lb/gal) * Gal of Material (gal/unit) * Maximum (units/hr) * (24 hr/day)
Potential VOC Tons per Year = Pounds of VOC per Gallon coating (lb/gal) * Gal of Material (gal/unit) * Maximum (units/hr) * (8760 hr/yr) * (1 ton/2000 lbs)
Particulate Potential Tons per Year = (units/hour) * (gal/unit) * (lbs/gal) * (1- Weight % Volatiles) * (1-Transfer efficiency) * (8760 hrs/yr) * (1 ton/2000 lbs)
Pounds VOC per Gallon of Solids = (Density (lbs/gal) * Weight % organics) / (Volume % solids)
Total = Worst Coating + Sum of all solvents used

Appendix A: Emission Calculations

VOC Emissions

Degreasing Operations

Company Name: Mohler Technology, Inc.
Address City IN Zip: 2355 Eby Road, Boonville, Indiana 47601
Permit Number: MSOP 173-21870-00025
Pit ID: 173-00025
Permit Reviewer: Chrystal Wagner
Date: January 24, 2006

| Material* | Usage (lb/day) | Usage (ton/year) | Volatile Component (%) | Potential VOC (ton/yr) |
|--|-------------------|---------------------|---------------------------|---------------------------|
| C+H Spray DET RS | 1476.00 | 269.37 | 5.00% | 13.47 |
| C+H Defoamer | 6.48 | 1.18 | 0.00% | 0.00 |
| Safety Kleen 105 Parts Washing Solvent | 53.76 | 9.81 | 100.00% | 9.81 |

Total: Potential Emissions

23.28

METHODOLOGY

*Worst case is not applied to these, since both C+H solvents are used in the Mart process and Safety Kleen is used in a separate process.

HAP emission rate (tons/yr) = Density (lb/gal) * Gal of Material (gal/unit) * Maximum (unit/hr) * Weight % HAP * 8760 hrs/yr * 1 ton/2000 lbs

**Appendix A: Emission Calculations
Degreasing HAP Emissions**

Company Name: Mohler Technology, Inc.
Address City IN Zip: 2355 Eby Road, Boonville, Indiana 47601
Permit Number: MSOP 173-21870-00025
Plt ID: 173-00025
Permit Reviewer: Chrystal Wagner
Date: January 24, 2006

| Material | Usage (lb/day) | Usage (ton/year) | Weight % Xylene | Weight % Toluene | Weight % Ethylbenzene | Weight % Tetrachloroethylene | Xylene Emissions (ton/yr) | Toluene Emissions (ton/yr) | Ethylbenzene Emissions (ton/yr) | Tetrachloroethylene Emissions (ton/yr) |
|---|-------------------|---------------------|--------------------|---------------------|--------------------------|---------------------------------|---------------------------------|----------------------------------|---------------------------------------|--|
| Safety Kleen 105 Parts Washing Solvent | 53.76 | 9.81 | 1.00% | 0.50% | 0.50% | 0.50% | 0.10 | 0.05 | 0.05 | 0.05 |

Potential HAP Emissions (ton/yr)

0.10 0.05 0.05 0.05

Total Potential HAP Emissions for this process (ton/yr)

0.25

METHODOLOGY

HAP emission rate (tons/yr) = Density (lb/gal) * Gal of Material (gal/unit) * Maximum (unit/hr) * Weight % HAP * 8760 hrs/yr * 1 ton/2000 lbs