

PART 70 OPERATING PERMIT OFFICE OF AIR MANAGEMENT

**Rea Magnet Wire Company
2800 Concord Road
Lafayette, Indiana 47905**

(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.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 and 326 IAC 2-1-3.2 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.: T157-6960-00032	
Issued by: Janet G. McCabe, Assistant Commissioner Office of Air Management	Issuance Date:

A SOURCE SUMMARY

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

A.1 General Information [326 IAC 2-7-4(c)][326 IAC 2-7-5(15)]

The Permittee owns and operates magnet wire coating process.

Responsible Official: **William Schilling**
Source Address: **2800 Concord Road, Lafayette, IN 47905**
Mailing Address: **2800 Concord Road, Lafayette, IN 47905**
SIC Code: **3357**
County Location: **Tippecanoe**
County Status: **Attainment for all criteria pollutants**
Source Status: **Part 70 Permit Program**
Minor Source under PSD

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)] [326 IAC 2-7-5(15)]

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

- (a) The following V-12 gas fired wire enameling ovens with an integral internal catalytic oxidizer for control:
- (1) One (1) V-12 gas fired wire enameling oven with an integral internal catalytic oxidizer, unit number 361-362, with a maximum rating of 163.10 thousand feet per hour. Emissions shall be exhausted at Stack/Vent ID# 64.
 - (2) Three (3) V-12 gas fired wire enameling ovens with integral internal catalytic oxidizers, unit numbers 363-364, 367-368 and 369-370, with a maximum rating of 301.12 thousand feet per hour each. Emissions shall be exhausted at Stack/Vent ID #63, 61 and 60 respectively.
 - (3) One (1) V-12 gas fired wire enameling oven with an integral internal catalytic oxidizer, unit number 365-366, with a maximum rating of 321.07 thousand feet per hour. Emissions shall be exhausted at Stack/Vent ID# 62.
 - (4) One (1) V-12 gas fired wire enameling oven with an integral internal catalytic oxidizer, unit number 371-372, with a maximum rating of 321.05 thousand feet per hour. Emissions shall be exhausted at Stack/Vent ID# 59.
 - (5) Six (6) V-12 gas fired wire enameling ovens with integral internal catalytic oxidizers, unit numbers 373-374, 375-376, 377-378, 379-380, 381-382 and 383-384, with a maximum rating of 303.5 thousand feet per hour each.

Emissions shall be exhausted at Stack/Vent ID #58, 57, 56, 55, 54 and 53 respectively.

- (b) The following five (5) wire enameling ovens with an integral internal thermal oxidizer and add-on thermal incinerators for control:
 - (1) Four (4) GEM gas fired wire enameling oven with integral internal thermal oxidizers, unit number 401-404, 429-432, 433-436 and 437-440, with a maximum rating of 31.68 thousand feet per hour each. Emissions shall be controlled by add-on thermal incinerators, then exhausted at Stack/Vent ID #1, 8, 9 and 10 respectively.
 - (2) One (1) GEI electric wire enameling oven with an internal thermal oxidizer, unit number 441-444, with a maximum rating of 59.04 thousand feet per hour. Emissions shall be controlled by an add-on thermal incinerator, then exhausted at Stack/Vent ID #51.
- (c) Three (3) MOCO wire enameling ovens with integral internal catalytic oxidizers, unit numbers 417-418, 421-424 and 425-428, with a maximum rating of 88.80 thousand feet per hour each. Emissions shall be controlled by add-on thermal incinerators, then exhausted at Stack/Vents ID #5, 6 and 7, respectively.
- (d) Eight (8) V-22 gas fired wire enameling ovens with integral internal thermal oxidizers, unit numbers 451-453, 454-456, 461-463, 464-466, 475, 476, 479 and 480, with a maximum rating of 72 thousand feet per hour each. Emissions shall be exhausted at Stack/Vents ID #203, 204, 201, 202, 148, 149, 68a and 68b, respectively.
- (e) Three (3) SEL electric wire enameling ovens with integral internal thermal oxidizers, unit numbers 595-600, with a maximum rating of 188.64 thousand feet per hour. Emissions shall be exhausted at Stack/Vents 131, 132 and 133.
- (f) Eight (8) SEL electric wire enameling ovens with integral internal thermal oxidizers, unit numbers 701-702, 703-704, 705-706, 707-708, 709-710, 711-712, 713-714 and 715-716 with a maximum rating of 92.28 thousand feet per hour each. Emissions shall be exhausted at Stack/Vents ID # 115, 116, 117 118,119, 120, 121 and 122, respectively.
- (g) Eight (8) SEL electric wire enameling ovens with integral internal thermal oxidizers, unit numbers 725-726, 727-728, 729-730, 731-732, 733-734, 735-736, 737-738 and 739-740 with a maximum rating of 92.28 thousand feet per hour each. Emissions shall be exhausted at Stack/Vents ID # 134, 135, 136, 137.138, 139, 140 and 141, respectively.
- (h) Three (3) NEMG gas fired wire enameling ovens with integral internal thermal oxidizers, unit numbers 601-612 , 613-624 and 669-680 with a maximum rating of 140.40 thousand feet per hour each. Emissions shall be exhausted at Stack/Vents ID # 101, 100 and 87 respectively.
- (i) The following six (6) NEM electric wire enameling ovens with an integral internal thermal oxidizer for control:

- (1) Two (2) NEM electric wire enameling ovens with integral internal thermal oxidizers, unit numbers 625-628 and 629-632 with a maximum rating of 48.24 thousand feet per hour each. Emissions shall be exhausted at Stack/Vent ID # 69 and 52.
- (2) Four (4) NEM electric wire enameling ovens with integral internal thermal oxidizers, unit numbers 633-638, 639-644, 645-650 and 651-656 with a maximum rating of 72.36 thousand units per hour each. Emissions shall be exhausted at Stack/Vents ID #76, 86, 77 and 85 respectively.
- (j) One (1) NEL electric wire enameling oven with an integral internal thermal oxidizer, unit number 657-668, with a maximum rating of 144.72 thousand feet per hour. Emissions shall be exhausted at Stack/vent ID #78.
- (k) One (1) NORG gas fired wire enameling oven with an integral internal thermal oxidizer, unit number 681-696, with a maximum rating of 180.48 thousand feet per hour. Emissions shall be exhausted at Stack/Vent ID# 99.
- (l) Two (2) NEV gas fired wire enameling ovens with integral internal thermal oxidizers, unit numbers 301-308 and 309-316, with a maximum rating of 51.36 thousand feet per hour each. Emissions shall be exhausted at Stack/Vents ID #88 and 89 respectively.
- (m) Four (4) SEV electric wire enameling ovens with integral internal thermal oxidizers, unit numbers 317-322, 323-328, 329-334, and 335-340, with a maximum rating of 52.20 thousand feet per hour each. Emissions shall be exhausted at Stack/Vents ID#144, 145, 146 and 147, respectively.
- (n) The following four (4) SEM electric wire enameling ovens with an integral internal thermal oxidizer for control:
 - (1) Two (2) SEM electric wire enameling ovens with integral internal thermal oxidizers, unit numbers 801-808 and 809-816, with a maximum rating of 163.8 thousand feet per hour each. Emissions shall be exhausted at Stack/Vents ID #142 and 143.
 - (2) Two (2) SEM electric wire enameling ovens with integral internal thermal oxidizers, unit numbers 817-824 and 825-832, with a maximum rating of 190 thousand feet per hour each. Emissions shall be exhausted at Stack/Vents ID # 205 and 206.
- (o) Eight (8) MAG HES-2 electric wire enameling ovens with integral internal thermal oxidizers, unit numbers 741, 742, 743, 744 745, 746, 747 and 748 with a maximum rating of 91.86 thousand feet per hour each. Emissions shall be exhausted at Stack/Vents ID #150, 151, 152, 153, 154, 155, 156 and 157.
- (p) Eight (8) MAG HES-5 electric wire enameling ovens with integral internal thermal oxidizers, unit numbers 833, 834, 835, 836, 837, 838, 839, and 840, with a maximum rating of 40.93 thousand feet per hour each. Emissions shall be exhausted at Stack/Vents ID# 207, 208, 209, 210, 211, 212, 213 and 214.

A.3 Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-8-3(c)(3)(I)] [326 IAC 2-7-5(15)]

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

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

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

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

- (a) It is a major source, as defined in 326 IAC 2-7-1(22).
- (b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).

SECTION B GENERAL CONDITIONS

B.1 Permit No Defense [326 IAC 2-1-10] [IC 13]

- (a) 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 Part 70 permit under 326 IAC 2-7.
- (b) This prohibition shall not apply to alleged violations of applicable requirements for which the Commissioner has granted a permit shield in accordance with 326 IAC 2-1-3.2 or 326 IAC 2-7-15, as set out in this permit in the Section B condition entitled "Permit Shield".

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

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

B.3 Permit Term [326 IAC 2-7-5(2)]

This permit is issued for a fixed term of five (5) years from the effective date, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3.

B.4 Enforceability [326 IAC 2-7-7(a)]

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

B.5 Termination of Right to Operate [326 IAC 2-7-10] [326 IAC 2-7-4(a)]

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

B.6 Severability [326 IAC 2-7-5(5)]

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

B.7 Property Rights or Exclusive Privilege [326 IAC 2-7-5(6)(D)]

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

B.8 Duty to Supplement and Provide Information [326 IAC 2-7-4(b)] [326 IAC 2-7-5(6)(E)]

- (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 Management
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

- (b) The Permittee shall furnish to IDEM, OAM, within a reasonable time, any information that IDEM, OAM, 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.
- (c) Upon request, the Permittee shall also furnish to IDEM, OAM, copies of records required to be kept by this permit. If the Permittee wishes to assert a claim of confidentiality over any of the furnished records, the Permittee must furnish such records to IDEM, OAM, along with a claim of confidentiality under 326 IAC 17. If requested by IDEM, OAM, or the U.S. EPA, to furnish copies of requested records directly to U. S. EPA, and if the Permittee is making a claim of confidentiality regarding the furnished records, then the Permittee must furnish such confidential records directly to the U.S. EPA along with a claim of confidentiality under 40 CFR 2, Subpart B.

B.9 Compliance with Permit Conditions [326 IAC 2-7-5(6)(A)] [326 IAC 2-7-5(6)(B)]

- (a) The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit constitutes a violation of the Clean Air Act and is grounds for:
 - (1) Enforcement action;
 - (2) Permit termination, revocation and reissuance, or modification; or
 - (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.

B.10 Certification [326 IAC 2-7-4(f)] [326 IAC 2-7-6(1), (6)]

- (a) Any application form, report, or compliance certification submitted under this permit shall contain certification by a responsible official of truth, accuracy, and completeness. This certification, and any other certification required under this permit, 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, on the attached Certification Form, with each submittal.
- (c) A responsible official is defined at 326 IAC 2-7-1(34).

B.11 Annual Compliance Certification [326 IAC 2-7-6(5)]

- (a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. The certification 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 July 1 of each year to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Management
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

and

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

- (b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAM, on or before the date it is due.
- (c) The annual compliance certification report shall include the following:
 - (1) The identification of each term or condition of this permit that is the basis of the certification;
 - (2) The compliance status;
 - (3) Whether compliance was based on continuous or intermittent data;
 - (4) The methods used for determining compliance of the source, currently and over the reporting period consistent with 326 IAC 2-7-5(3);
 - (5) Any significant activity that has been added without a permit revision; and
 - (6) Such other facts, as specified in Sections D of this permit, as IDEM, OAM, may require to determine the compliance status of the source.

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

B.12 Preventive Maintenance Plan [326 IAC 2-7-5(1),(3) and (13)] [326 IAC 2-7-6(1) and (6)]
[326 IAC 1-6-3]

- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMP) 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;

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

If due to circumstances beyond its control, the PMP 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 Management
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

- (b) The Permittee shall implement the Preventive Maintenance Plans as necessary to ensure that lack of proper maintenance does not cause or contribute to a violation of any limitation on emissions or potential to emit.
- (c) PMP's shall be submitted to IDEM, OAM, upon request and shall be subject to review and approval by IDEM, OAM.

B.13 Emergency Provisions [326 IAC 2-7-16]

- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation, except as provided in 326 IAC 2-7-16.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a health-based or technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:
 - (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
 - (2) The permitted facility was at the time being properly operated;
 - (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;
 - (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAM, within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Management,
Compliance Section), or
Telephone Number: 317-233-5674 (ask for Compliance Section)
Facsimile Number: 317-233-5967

- (5) For each emergency lasting one (1) hour or more, the Permittee submitted notice, either in writing or facsimile, of the emergency to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Management
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

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

The notice fulfills the requirement of 326 IAC 2-7-5(3)(C)(ii) and must contain the following:

- (A) A description of the emergency;
- (B) Any steps taken to mitigate the emissions; and
- (C) Corrective actions taken.

The notification which shall be submitted by the Permittee does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
- (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions) for sources subject to this rule after the effective date of this rule. This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
- (e) IDEM, OAM, 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, OAM, by telephone or facsimile of an emergency lasting more than one (1) hour in compliance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 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 materials of substantial economic value.

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

B.14 Permit Shield [326 IAC 2-7-15]

- (a) This condition provides a permit shield as addressed in 326 IAC 2-7-15.
- (b) This permit shall be used as the primary document for determining compliance with applicable requirements established by previously issued permits. Compliance with the conditions of this permit shall be deemed in compliance with any applicable requirements as of the date of permit issuance, provided that:
 - (1) The applicable requirements are included and specifically identified in this permit; or
 - (2) The permit contains an explicit determination or concise summary of a determination that other specifically identified requirements are not applicable.
- (c) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, including any term or condition from a previously issued construction or operation permit, IDEM, OAM, shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.
- (d) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application.
- (e) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:
 - (1) The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;
 - (2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;
 - (3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and
 - (4) The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.
- (f) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).

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

B.15 Multiple Exceedances [326 IAC 2-7-5(1)(E)]

Any exceedance of a permit limitation or condition contained in this permit, which occurs contemporaneously with an exceedance of an associated surrogate or operating parameter established to detect or assure compliance with that limit or condition, both arising out of the same act or occurrence, shall constitute a single potential violation of this permit.

B.16 Deviations from Permit Requirements and Conditions [326 IAC 2-7-5(3)(C)(ii)]

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

Indiana Department of Environmental Management
Compliance Branch, Office of Air Management
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

within ten (10) calendar days from the date of the discovery of the deviation.

- (b) A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit or a rule. It does not include:
 - (1) An excursion from compliance monitoring parameters as identified in Section D of this permit unless tied to an applicable rule or limit; or
 - (2) An emergency as defined in 326 IAC 2-7-1(12); or
 - (3) Failure to implement elements of the Preventive Maintenance Plan unless lack of maintenance has caused or contributed to a deviation.
 - (4) Failure to make or record information required by the compliance monitoring provisions of Section D unless such failure exceeds 5% of the required data in any calendar quarter.

A Permittee's failure to take the appropriate response step when an excursion of a compliance monitoring parameter has occurred is a deviation.

- (c) Written notification shall be submitted on the attached Emergency/Deviation Occurrence Reporting Form or its substantial equivalent. The notification does not need to be certified by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (d) Proper notice submittal under 326 IAC 2-7-16 satisfies the requirement of this subsection.

B.17 Permit Modification, Reopening, Revocation and Reissuance, or Termination
[326 IAC 2-7-5(6)(C)] [326 IAC 2-7-8(a)] [326 IAC 2-7-9]

- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-7-5(6)(C)]
- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAM, determines any of the following:
 - (1) That this permit contains a material mistake.
 - (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.
 - (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-7-9(a)(3)]
- (c) Proceedings by IDEM, OAM, to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-7-9(b)]
- (d) The reopening and revision of this permit, under 326 IAC 2-7-9(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAM, at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAM, may provide a shorter time period in the case of an emergency. [326 IAC 2-7-9(c)]

B.18 Permit Renewal [326 IAC 2-7-4]

- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAM, and shall include the information specified in 326 IAC 2-7-4. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Management
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

- (b) Timely Submittal of Permit Renewal [326 IAC 2-7-4(a)(1)(D)]
 - (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, OAM, on or before the date it is due. [326 IAC 2-5-3]

- (2) If IDEM, OAM, 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, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.

- (c) **Right to Operate After Application for Renewal** [326 IAC 2-7-3]
If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-7 until IDEM, OAM, 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, OAM, any additional information identified as being needed to process the application.

- (d) **United States Environmental Protection Agency Authority** [326 IAC 2-7-8(e)]
If IDEM, OAM, fails to act in a timely way on a Part 70 permit renewal, the U.S. EPA may invoke its authority under Section 505(e) of the Clean Air Act to terminate or revoke and reissue a Part 70 permit.

B.19 Permit Amendment or Modification [326 IAC 2-7-11] [326 IAC 2-7-12]

- (a) The Permittee must comply with the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 whenever the Permittee seeks to amend or modify this permit.

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

Indiana Department of Environmental Management
Permits Branch, Office of Air Management
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

Any such application should be certified by the "responsible official" as defined by 326 IAC 2-7-1(34) only if a certification is required by the terms of the applicable rule.

- (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 2-7-11(c)(3)]

B.20 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)]
[326 IAC 2-7-12 (b)(2)]

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

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

B.21 Changes Under Section 502(b)(10) of the Clean Air Act [326 IAC 2-7-20(b)]

The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is defined at 326 IAC 2-7-1(36)) without a permit revision, subject to the constraint of 326 IAC 2-7-20(a) and the following additional conditions:

- (a) For each such change, the required written notification shall include a brief description of the change within the source, the date on which the change will occur, any change in emissions, and any permit term or condition that is no longer applicable as a result of the change.
- (b) The permit shield, described in 326 IAC 2-7-15, shall not apply to any change made under 326 IAC 2-7-20(b).

B.22 Operational Flexibility [326 IAC 2-7-20]

(a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b), (c), or (e), without a prior permit revision, if each of the following conditions is met:

- (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
- (2) Any approval required by 326 IAC 2-1 has been obtained;
- (3) The changes do not result in emissions which exceed the emissions allowable under 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 Management
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

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 which document, on a rolling five (5) year basis, all such changes and emissions trading that are subject to 326 IAC 2-7-20(b), (c), or (e) and makes such records available, upon reasonable request, for public review.

Such records shall consist of all information required to be submitted to IDEM, OAM, in the notices specified in 326 IAC 2-7-20(b), (c)(1), and (e)(2).

- (b) For each such Section 502(b)(10) of the Clean Air Act change, the required written notification shall include the following:
- (1) A brief description of the change within the source;
 - (2) The date on which the change will occur;
 - (3) Any change in emissions; and
 - (4) Any permit term or condition that is no longer applicable as a result of the change.

The notification which shall be submitted by the Permittee does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (c) Emission Trades [326 IAC 2-7-20(c)]
The Permittee may trade increases and decreases in emissions in the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-7-20(c).
- (d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAM, or U.S. EPA is required.
- (e) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

B.23 Construction Permit Requirement [326 IAC 2]

Except as allowed by Indiana P.L. 130-1996 Section 12, as amended by P.L. 244-1997, modification, construction, or reconstruction shall be approved as required by and in accordance with 326 IAC 2.

B.24 Inspection and Entry [326 IAC 2-7-6(2)]

Upon presentation of proper identification cards, credentials, and other documents as may be required by law, the Permittee shall allow IDEM, OAM, U.S. EPA, or an authorized representative to perform the following:

- (a) Enter upon the Permittee's premises where a Part 70 source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;

- (c) Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- (d) Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and
- (e) Utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements. [326 IAC 2-7-6(6)]
 - (1) The Permittee may assert a claim that, in the opinion of the Permittee, information removed or about to be removed from the source by IDEM, OAM, or an authorized representative, contains information that is confidential under IC 5-14-3-4(a). The claim shall be made in writing before or at the time the information is removed from the source. In the event that a claim of confidentiality is so asserted, neither IDEM, OAM, nor an authorized representative, may disclose the information unless and until IDEM, OAM, makes a determination under 326 IAC 17-1-7 through 326 IAC 17-1-9 that the information is not entitled to confidential treatment and that determination becomes final. [IC 5-14-3-4; IC 13-14-11-3; 326 IAC 17-1-7 through 326 IAC 17-1-9]
 - (2) The Permittee, and IDEM, OAM, acknowledge that the federal law applies to claims of confidentiality made by the Permittee with regard to information removed or about to be removed from the source by U.S. EPA. [40 CFR Part 2, Subpart B]

B.25 Transfer of Ownership or Operation [326 IAC 2-1-6] [326 IAC 2-7-11]

Pursuant to 326 IAC 2-1-6 and 326 IAC 2-7-11:

- (a) In the event that ownership of this source is changed, the Permittee shall notify IDEM, OAM, Permits Branch within thirty (30) days of the change. Notification shall include a written agreement containing a specific date for transfer of permit responsibility, coverage, and liability between the Permittee and the new owner.
- (b) The written notification shall be sufficient to transfer the permit to the new owner by an administrative amendment pursuant to 326 IAC 2-7-11. The notification which shall be submitted by the Permittee does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34);
- (c) IDEM, OAM, shall reserve the right to issue a new permit.

B.26 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)]

- (a) The Permittee shall pay annual fees to IDEM, OAM, within thirty (30) calendar days of receipt of a billing. If the Permittee does not receive a bill from IDEM, OAM, 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 317-233-0425 (ask for OAM, Technical Support and Modeling Section), to determine the appropriate permit fee.

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

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

C.1 Particulate Matter Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) pounds per hour [326 IAC 6-3-2(c)]

Pursuant to 326 IAC 6-3-2(c), the allowable particulate matter emissions rate from any process not already regulated by 326 IAC 6-1 or any New Source Performance Standard, and which has a maximum process weight rate less than 100 pounds per hour shall not exceed 0.551 pounds per hour.

C.2 Opacity [326 IAC 5-1]

Pursuant to 326 IAC 5-1-2 (Visible Emissions Limitations), except as provided in 326 IAC 5-1-3 (Temporary Exemptions), visible emissions shall meet the following, unless otherwise stated in this permit:

- (a) Visible emissions shall not exceed an average of forty percent (40%) opacity in twenty-four (24) consecutive readings, as determined in 326 IAC 5-1-4.
- (b) Visible emissions shall not exceed sixty percent (60%) opacity for more than a cumulative total of fifteen (15) minutes (sixty (60) readings) 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. 326 IAC 4-1-3 (a)(2)(A) and (B) are not federally enforceable.

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

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

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

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions). 326 IAC 6-4-2(4) is not federally enforceable.

C.6 Operation of Equipment [326 IAC 2-7-6(6)]

All air pollution control equipment listed in this permit and used to comply with an applicable requirement shall be operated at all times that the emission units vented to the control equipment are in operation.

C.7 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61.140]

- (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 Management
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

The notifications do not require a certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (e) **Procedures for Asbestos Emission Control**
The Permittee shall comply with the 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 mandatory 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 2-7-6(1), (6)]

C.8 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 methods approved by IDEM, OAM.

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 Management
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

no later than thirty-five (35) days prior to the intended test date. The Permittee shall submit a notice of the actual test date to the above address so that it is received at least two weeks prior to the test date.

- (b) All test reports must be received by IDEM, OAM within forty-five (45) days after the completion of the testing. An extension may be granted by the Commissioner, if the source submits to IDEM, OAM, a reasonable written explanation within five (5) days prior to the end of the initial forty-five (45) day period.

The documentation submitted by the Permittee does not require certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

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

C.9 Compliance Schedule [326 IAC 2-7-6(3)]

The Permittee:

- (a) Has certified that all facilities at this source are in compliance with all applicable requirements; and
- (b) Has submitted a statement that the Permittee will continue to comply with such requirements; and
- (c) Will comply with such applicable requirements that become effective during the term of this permit.

C.10 Compliance Monitoring [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

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, no more than ninety (90) days after receipt of this permit. If due to circumstances beyond its control, this schedule cannot be met, the Permittee may extend compliance schedule an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Management
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

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

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

C.11 Maintenance of Monitoring Equipment [326 IAC 2-7-5(3)(A)(iii)]

- (a) In the event that a breakdown of the monitoring equipment occurs, a record shall be made of the times and reasons of the breakdown and efforts made to correct the problem. To the extent practicable, supplemental or intermittent monitoring of the parameter should be implemented at intervals no less frequent than required in Section D of this permit until such time as the monitoring equipment is back in operation. In the case of continuous monitoring, supplemental or intermittent monitoring of the parameter should be implemented at intervals no less than one (1) hour until such time as the continuous monitor is back in operation.
- (b) The Permittee shall install, calibrate, quality assure, maintain, and operate all necessary monitors and related equipment. In addition, prompt corrective action shall be initiated whenever indicated.

C.12 Monitoring Methods [326 IAC 3]

Any monitoring or testing performed to meet the applicable requirements of this permit shall be performed according to the provisions of 326 IAC 3, 40 CFR 60, Appendix A, or other approved methods as specified in this permit.

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

C.13 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

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

- (a) The Permittee shall prepare written emergency reduction plans (ERPs) consistent with safe operating procedures.
- (b) These ERPs shall be submitted for approval to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Management
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

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

The ERP does not require the certification by the "reasonable official" as defined by 326 IAC 2-7-1(34).

- (c) If the ERP is disapproved by IDEM, OAM, the Permittee shall have an additional thirty (30) days to resolve the differences and submit an approvable ERP.
- (d) These ERPs shall state those actions that will be taken, when each episode level is declared, to reduce or eliminate emissions of the appropriate air pollutants.

- (e) Said ERPs shall also identify the sources of air pollutants, the approximate amount of reduction of the pollutants, and a brief description of the manner in which the reduction will be achieved.
- (f) Upon direct notification by IDEM, OAM, that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]

C.14 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68.215]

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

- (a) Submit:
 - (1) A compliance schedule for meeting the requirements of 40 CFR 68 by the date provided in 40 CFR 68.10(a); or
 - (2) As a part of the 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); and
 - (3) A verification to IDEM, OAM, that a RMP or a revised plan was prepared and submitted as required by 40 CFR 68.
- (b) Provide annual certification to IDEM, OAM, that the Risk Management Plan is being properly implemented.

All documents submitted pursuant to this condition shall include the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

C.15 Compliance Monitoring Plan - Failure to Take Response Steps [326 IAC 2-7-5][326 IAC 2-7-6] [326 IAC 1-6]

- (a) The Permittee is required to implement a compliance monitoring plan to ensure that reasonable information is available to evaluate its continuous compliance with applicable requirements. This compliance monitoring plan is comprised of:
 - (1) This condition;
 - (2) The Compliance Determination Requirements in Section D of this permit;
 - (3) The Compliance Monitoring Requirements in Section D of this permit;
 - (4) The Record Keeping and Reporting Requirements in Section C (Monitoring Data Availability, General Record Keeping Requirements, and General Reporting Requirements) and in Section D of this permit; and

- (5) A Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. CRP's shall be submitted to IDEM, OAM upon request and shall be subject to review and approval by IDEM, OAM. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee and maintained on site, and is comprised of :
 - (A) Response steps that will be implemented in the event that compliance related information indicates that a response step is needed pursuant to the requirements of Section D of this permit; and
 - (B) A time schedule for taking such response steps including a schedule for devising additional response steps for situations that may not have been predicted.
 - (b) For each compliance monitoring condition of this permit, appropriate response steps shall be taken when indicated by the provisions of that compliance monitoring condition. Failure to perform the actions detailed in the compliance monitoring conditions or failure to take the response steps within the time prescribed in the Compliance Response Plan, shall constitute a violation of the permit unless taking the response steps set forth in the Compliance Response Plan would be unreasonable.
 - (c) After investigating the reason for the excursion, the Permittee is excused from taking further response steps for any of the following reasons:
 - (1) The monitoring equipment malfunctioned, giving a false reading. This shall be an excuse from taking further response steps providing that prompt action was taken to correct the monitoring equipment.
 - (2) The Permittee has determined that the compliance monitoring parameters established in the permit conditions are technically inappropriate, has previously submitted a request for an administrative amendment to the permit, and such request has not been denied or;
 - (3) An automatic measurement was taken when the process was not operating; or
 - (4) The process has already returned to operating within "normal" parameters and no response steps are required.
 - (d) Records shall be kept of all instances in which the compliance related information was not met and of all response steps taken. In the event of an emergency, the provisions of 326 IAC 2-7-16 (Emergency Provisions) requiring prompt corrective action to mitigate emissions shall prevail.
- C.16 Actions Related to Noncompliance Demonstrated by a Stack Test[326 IAC 2-7-5][326 IAC 2-7-6]
- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate corrective actions. The Permittee shall submit a description of these corrective actions to IDEM, OAM, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize emissions from the affected facility while the corrective actions are being implemented. IDEM, OAM shall

notify the Permittee within thirty (30) days, if the corrective actions taken are deficient. The Permittee shall submit a description of additional corrective actions taken to IDEM, OAM within thirty (30) days of receipt of the notice of deficiency. IDEM, OAM reserves the authority to use enforcement activities to resolve noncompliant stack tests.

- (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, OAM that retesting in one-hundred and twenty (120) days is not practicable, IDEM, OAM may extend the retesting deadline. Failure of the second test to demonstrate compliance with the appropriate permit conditions may be grounds for immediate revocation of the permit to operate the affected facility.

The documents submitted pursuant to this condition do not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

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

C.17 Emission Statement [326 IAC 2-7-5(3)(C)(iii)][326 IAC 2-7-5(7)][326 IAC 2-7-19(c)][326 IAC 2-6]

- (a) The Permittee shall submit an annual emission statement certified pursuant to the requirements of 326 IAC 2-6, that must be received by July 1 of each year and must comply with the minimum requirements specified in 326 IAC 2-6-4. The annual emission statement shall meet the following requirements:
- (1) Indicate actual emissions of criteria pollutants from the source, in compliance with 326 IAC 2-6 (Emission Reporting);
 - (2) Indicate actual emissions of other regulated pollutants from the source, for purposes of Part 70 fee assessment.
- (b) The annual emission statement covers the twelve (12) consecutive month time period starting January 1 and ending December 31. The annual emission statement must be submitted to:
- Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Management
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015
- (c) The annual emission statement required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAM, on or before the date it is due.

C.18 Monitoring Data Availability [326 IAC 2-7-6(1)] [326 IAC 2-7-5(3)]

- (a) With the exception of performance tests conducted in accordance with Section C-Performance Testing, all observations, sampling, maintenance procedures, and record keeping, required as a condition of this permit shall be performed at all times the equipment is operating at normal representative conditions.

- (b) As an alternative to the observations, sampling, maintenance procedures, and record keeping of subsection (a) above, when the equipment listed in Section D of this permit is not operating, the Permittee shall either record the fact that the equipment is shut down or perform the observations, sampling, maintenance procedures, and record keeping that would otherwise be required by this permit.
- (c) If the equipment is operating but abnormal conditions prevail, additional observations and sampling should be taken with a record made of the nature of the abnormality.
- (d) If for reasons beyond its control, the operator fails to make required observations, sampling, maintenance procedures, or record keeping, reasons for this must be recorded.
- (e) At its discretion, IDEM may excuse such failure providing adequate justification is documented and such failures do not exceed five percent (5%) of the operating time in any quarter.
- (f) Temporary, unscheduled unavailability of staff qualified to perform the required observations, sampling, maintenance procedures, or record keeping shall be considered a valid reason for failure to perform the requirements stated in (a) above.

C.19 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6]

- (a) Records of all required monitoring data 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 and made available for review upon the request of an IDEM, OAM representative. Photocopies of the eight (8) hour average temperatures will be made within a reasonable time thereafter. 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 written request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.
- (b) Records of required monitoring information shall include, where applicable:
 - (1) The date, place, and time of sampling or measurements;
 - (2) The dates analyses were performed;
 - (3) The company or entity performing the analyses;
 - (4) The analytic techniques or methods used;
 - (5) The results of such analyses; and
 - (6) The operating conditions existing at the time of sampling or measurement.
- (c) Support information shall include, where applicable:
 - (1) Copies of all reports required by this permit;

- (2) All original strip chart recordings for continuous monitoring instrumentation;
 - (3) All calibration and maintenance records;
 - (4) Records of preventive maintenance shall be sufficient to demonstrate that improper maintenance did not cause or contribute to a violation of any limitation on emissions or potential to emit. To be relied upon subsequent to any such violation, these records may include, but are not limited to: work orders, parts inventories, and operator's standard operating procedures. Records of response steps taken shall indicate whether the response steps were performed in accordance with the Compliance Response Plan required by Section C - Compliance Monitoring Plan - Failure to take Response Steps, of this permit, and whether a deviation from a permit condition was reported. All records shall briefly describe what maintenance and response steps were taken and indicate who performed the tasks.
- (d) All record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.

C.20 General Reporting Requirements [326 IAC 2-7-5(3)(C)]

- (a) To affirm that the source has met all the compliance monitoring requirements stated in this permit the source shall submit a Quarterly Compliance Monitoring Report. Any deviation from the requirements and the date(s) of each deviation must be reported.
- (b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Management
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015
- (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, OAM, on or before the date it is due.
- (d) Unless otherwise specified in this permit, any report shall be submitted within thirty (30) days of the end of the reporting period.
- (e) All instances of deviations as described in Section B - Deviations from Permit Requirements Conditions must be clearly identified in such reports.
- (f) Any corrective actions or response steps taken as a result of each deviation must be clearly identified in such reports.
- (g) 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.

The documents submitted pursuant to this condition do not require the certification by the "reasonable official" as defined by 326 IAC 2-7-1(34).

Stratospheric Ozone Protection

C.21 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.

D.1 FACILITY OPERATION CONDITIONS -Oven 361-362, 363-364, 365-366, 367-368, 369-370, 371-372, 373-374, 375-376, 377-378, 379-380, 381-382 and 383-384.

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

The following V-12 gas fired wire enameling ovens with an integral internal catalytic oxidizer for control:

One (1) V-12 gas fired wire enameling oven with an integral internal catalytic oxidizer, unit number 361-362, with a maximum rating of 163.10 thousand feet per hour. Emissions shall be exhausted at Stack/Vent ID# 64.

Three (3) V-12 gas fired wire enameling ovens with integral internal catalytic oxidizers, unit numbers 363-364, 367-368 and 369-370, with a maximum rating of 301.12 thousand feet per hour each. Emissions shall be exhausted at Stack/Vent ID #63, 61 and 60 respectively.

One (1) V-12 gas fired wire enameling oven with an integral internal catalytic oxidizer, unit number 365-366, with a maximum rating of 321.07 thousand feet per hour. Emissions shall be exhausted at Stack/Vent ID# 62.

One (1) V-12 gas fired wire enameling oven with an integral internal catalytic oxidizer, unit number 371-372, with a maximum rating of 321.05 thousand feet per hour. Emissions shall be exhausted at Stack/Vent ID# 59.

Six (6) V-12 gas fired wire enameling ovens with integral internal catalytic oxidizers, unit numbers 373-374, 375-376, 377-378, 379-380, 381-382 and 383-384, with a maximum rating of 303.5 thousand feet per hour each. Emissions shall be exhausted at Stack/Vent ID #58, 57, 56, 55, 54 and 53 respectively.

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

D.1.1 Volatile Organic Compounds

- (a) Potential emissions from emission units 361-362, 363-364, 365-366, 367-368, 369-370, 371-372, 373-374, 375-376, 377-378, 379-380, 381-382 and 383-384 are less than 25 tons per year. Therefore, 326 IAC 8-2-8 will not apply. Any change or modification which may increase the potential emissions to 25 tons per year or more of volatile organic compounds must be approved by the office of Air Management before any such change may occur.
- (b) This limit includes the evaporation of thinners being added to coatings to adjust viscosity, therefore, it is necessary to keep coating and solvent containers covered at all times to prevent solvent evaporation.

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

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

Compliance Determination Requirements

D.1.3 Volatile Organic Compound (VOC)

- (a) The integral internal catalytic oxidizer associated with each oven shall operate with an overall efficiency of not less than 87.5% at all times when the wire enameling ovens are in operation.
- (b) The 87.5% overall efficiency for each oven is necessary to ensure that 326 IAC 8-2-8, 326 IAC 2-2 and 40 CFR 52.21 do not apply.

D.1.4 Volatile Organic Compound (VOC)

Compliance with the VOC usage limitations contained in Condition D.1.1 shall be determined pursuant to 326 IAC 8-1-4(a)(3) and 326 IAC 8-1-2(a) using formulation data supplied by the coating manufacturer. IDEM, OAM reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.

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

- (a) Within 6 months after issuance of this permit, the Permittee shall perform VOC testing utilizing Methods 25 (40 CFR 60, Appendix A) for VOC, or other methods as approved by the Commissioner.
- (b) A representative oven from Group 1 shall be tested annually to ensure compliance. The oven with the worst case coating used shall be tested from the list of ovens in Group 1.
- (c) Additionally, the oven tested must be an oven that has not had the catalyst replaced within the last 5 months.
- (d) Group 1 consists of the following ovens: 361-362, 363-364, 365-366, 367-368, 369-370, 371-372, 373-374, 375-376, 377-378, 379-380, 381-382 and 383-384.

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

D.1.6 Catalytic Oxidizer

The catalyst shall be replaced once every six months to ensure the catalytic oxidizer is achieving the required overall efficiency.

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

D.1.7 Record Keeping Requirements

- (a) To document compliance with Condition D.1.1, the Permittee shall maintain records of material safety data sheets (MSDS) to verify the VOC content of each coating material and solvent used.
- (b) To document compliance with Condition D.1.6, the Permittee shall maintain a log of the replacement dates of the catalysts.
- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.2 FACILITY OPERATION CONDITIONS - Ovens 401-404, 429-432, 433-436, 437-440 and 441-444

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

The following five (5) wire enameling ovens with an integral internal thermal oxidizer and add-on thermal incinerators for control:

Four (4) GEM gas fired wire enameling oven with integral internal thermal oxidizers, unit number 401-404, 429-432, 433-436 and 437-440, with a maximum rating of 31.68 thousand feet per hour each. Emissions shall be controlled by add-on thermal incinerators, then exhausted at Stack/Vent ID #1, 8, 9 and 10 respectively.

One (1) GEI electric wire enameling oven with an internal thermal oxidizer, unit number 441-444, with a maximum rating of 59.04 thousand feet per hour. Emissions shall be controlled by an add-on thermal incinerator, then exhausted at Stack/Vent ID #51.

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

D.2.1 Volatile Organic Compounds

- (a) Potential emissions from emission units 401-404, 429-432, 433-436, 437-440 and 441-444 are less than 25 tons per year. Therefore, 326 IAC 8-2-8 will not apply. Any change or modification which may increase the potential emissions to 25 tons per year or more of volatile organic compounds must be approved by the office of Air Management before any such change may occur.
- (b) This limit includes the evaporation of thinners being added to coatings to adjust viscosity, therefore, it is necessary to keep coating and solvent containers covered at all times to prevent solvent evaporation.

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

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

Compliance Determination Requirements

D.2.3 Volatile Organic Compound (VOC)

- (a) The integral internal thermal oxidizers and add-on thermal incinerators associated with each oven shall operate with an overall efficiency of not less than 98.5% at all times when the wire enameling ovens are in operation.
- (b) The 98.5% overall efficiency for each oven is necessary to ensure that 326 IAC 8-2-8, 326 IAC 2-2 and 40 CFR 52.21 do not apply.
- (c) The add-on thermal incinerators shall be operated at or above 1250/F or a temperature determined during compliance tests to maintain the 98.5% minimum overall efficiency.

D.2.4 Volatile Organic Compound (VOC)

Compliance with the VOC usage limitations contained in Condition D.2.1 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. IDEM, OAM reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.

D.2.5 Testing Requirements [326 IAC 2-7-6(1), (6)]

- (a) Within 50 months after issuance of this permit, the Permittee shall perform VOC testing utilizing Methods 25 (40 CFR 60, Appendix A) for VOC, or other methods as approved by the Commissioner.
- (b) One oven shall be tested from the list of ovens in Group 2. Group 2 consists of the following ovens: 401-404, 429-432, 433-436, 437-440 and 441-444.
- (c) Additionally, if the temperature falls below the 1250/F required minimum temperature it will be considered a violation unless the Permittee performs VOC testing utilizing Methods 25 (40 CFR 60, Appendix A) for VOC, or other methods as approved by the Commissioner to ensure compliance with the 98.5% overall efficiency at the lower temperature.

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

D.2.6 Monitoring

- (a) Compliance with the 1250/F minimum temperature will be monitored by computer collected data generated continuously.
- (b) Eight-hour average temperatures will be made available to IDEM upon request and one-hour temperature records will be made available within five business days from request.
- (c) The temperatures will be reported based on an eight-hour average.
- (d) The ovens shall operate with a five (5) degree buffer such that if the eight-hour average temperature falls within five (5) degrees of the minimum required temperature, corrective action shall be performed and one-hour temperatures shall be investigated to determine if any temperature fell below the actual minimum temperature.
- (e) If during specific hours the temperature is less than the established minimum temperature, this will be considered noncompliance.

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

D.2.7 Record Keeping Requirements

- (a) To document compliance with Condition D.2.1, the Permittee shall maintain records of material safety data sheets (MSDS) to verify the VOC content of each coating material and solvent used.
- (b) To document compliance with Condition D.2.6, the Permittee shall maintain records of the computer collected data.
- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.3 FACILITY OPERATION CONDITIONS - Ovens 417-418, 421-424 and 425-428

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

Three (3) MOCO wire enameling ovens with integral internal catalytic oxidizers, unit numbers 417-418, 421-424 and 425-428, with a maximum rating of 88.80 thousand feet per hour each. Emissions shall be controlled by add-on thermal incinerators, then exhausted at Stack/Vents ID #5, 6 and 7, respectively.

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

D.3.1 Volatile Organic Compound (VOC)

- (a) The three (3) MOCO wire enameling ovens, unit numbers 417-418, 421-424 and 425-428 were constructed prior to 1980, therefore, there are no applicable VOC requirements for these emission units.

- (b) Any change or modification which may increase potential emissions from the three (3) MOCO wire enameling ovens, unit numbers 417-418, 421-424 and 425-428, shall require prior approval from the OAM, before such change may occur.

Compliance Determination Requirements

D.3.2 Testing Requirements [326 IAC 2-7-6(1), (6)]

The Permittee is not required to test this facility by this permit. However, IDEM may require compliance testing at any specific time when necessary to determine if the facility is in compliance. If testing is required by IDEM, compliance shall be determined by a performance test conducted in accordance with Section C - Performance Testing.

D.4 FACILITY OPERATION CONDITIONS-Ovens 451-453, 454-456, 461-463, 464-466, 475, 476, 479 and 480

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

Eight (8) V-22 gas fired wire enameling ovens with integral internal thermal oxidizers, unit numbers 451-453, 454-456, 461-463, 464-466, 475, 476, 479 and 480, with a maximum rating of 72 thousand feet per hour each. Emissions shall be exhausted at Stack/Vents ID #203, 204, 201, 202, 148, 149, 68a and 68b, respectively.

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

D.4.1 Volatile Organic Compounds [326 IAC 8-2-8]

- (a) Pursuant to 326 IAC 8-2-8 (Magnet Wire Coating Operations), the volatile organic compound (VOC) content of electrically insulating varnishes or enamel applied to aluminum or copper wire for use in electrical machinery shall be limited to 1.7 pounds VOC per gallon of coating less water delivered to the applicator.
- (b) The limit includes the evaporation of thinners being added to coatings to adjust viscosity, therefore, it is necessary to keep coating and solvent containers covered at all times to prevent solvent evaporation.

D.4.2 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

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

Compliance Determination Requirements

D.4.3 Volatile Organic Compounds (VOC)

- (a) The integral internal thermal oxidizers associated with each oven shall operate with an overall efficiency of not less than 98.5% at all times when the wire enameling ovens are in operation.
- (b) The 98.5% overall efficiency for each oven is necessary to ensure that 326 IAC 2-2 and 40 CFR 52.21 do not apply.
- (c) The integral internal thermal oxidizer shall be operated at or above 1250/F or a temperature determined during compliance tests to maintain a minimum 98.5% overall efficiency.
- (d) The basecoat VOC content of electrically insulating varnishes or enamel applied to aluminum or copper wire for use in electrical machinery shall not exceed 5.57 pounds VOC per gallon of coating less water. This is equivalent to a VOC content of 1.7 pounds VOC per gallon of coating less water after the effect of the internal thermal oxidizers.
- (e) The topcoat VOC content of electrically insulating varnishes or enamel applied to aluminum or copper wire for use in electrical machinery shall not exceed 7.06 pounds VOC per gallon of coating less water. This is equivalent to a VOC content of 1.7 pounds VOC per gallon of coating less water after the effect of the internal thermal oxidizers.

D.4.4 Volatile Organic Compounds (VOC)

Compliance with the VOC content limitations contained in Conditions D.4.1 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. IDEM, OAM reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.

D.4.5 Testing Requirements [326 IAC 2-7-6(1), (6)]

- (a) Within 42 months after issuance of this permit, the Permittee shall perform VOC testing utilizing Methods 25 (40 CFR 60, Appendix A) for VOC, or other methods as approved by the Commissioner.
- (b) One oven shall be tested from the list of ovens in Group 4. Group 4 consists of the following ovens: 451-453, 454-456, 461-463, 464-466, 475, 476, 479 and 480.
- (c) Additionally, if a higher VOC content coating is used or if the temperature falls below the 1250/F required minimum temperature it will be considered a violation unless the Permittee performs VOC testing utilizing Methods 25 (40 CFR 60, Appendix A) for VOC, or other methods as approved by the Commissioner to ensure compliance with the 98.5% overall efficiency.

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

D.4.6 Monitoring

- (a) Compliance with the 1250/F minimum temperature will be monitored by computer collected data generated continuously.
- (b) Eight-hour average temperatures will be made available to IDEM upon request and one-hour temperature records will be made available within five business days from request.
- (c) The temperatures will be reported based on an eight-hour average.
- (d) The ovens shall operate with a five (5) degree buffer such that if the eight-hour average temperature falls within five (5) degrees of the minimum required temperature, corrective action shall be performed and one-hour temperatures shall be investigated to determine if any temperature fell below the actual minimum temperature.
- (e) If during specific hours the temperature is less than the established minimum temperature, this will be considered noncompliance.

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

D.4.7 Record Keeping Requirements

- (a) To document compliance with Condition D.4.1, the Permittee shall maintain records of material safety data sheets (MSDS) to verify the VOC content of each coating material and solvent used.
- (b) To document compliance with Condition D.4.6, the Permittee shall maintain records of the computer collected data.
- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.5 FACILITY OPERATION CONDITIONS-Ovens 595-600

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

Three (3) SEL electric wire enameling ovens with integral internal thermal oxidizers, unit numbers 595-600, with a maximum rating of 188.64 thousand feet per hour. Emissions shall be exhausted at Stack/Vents 131, 132 and 133.

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

D.5.1 Volatile Organic Compounds

- (a) Potential emissions from emission units 595-600 are less than 15 pounds per day. Therefore, 326 IAC 8-2-8 will not apply. Any change or modification which may increase the potential emissions to 15 pounds per day or more of volatile organic compounds must be approved by the office of Air Management before any such change may occur.
- (b) This limit includes the evaporation of thinners being added to coatings to adjust viscosity, therefore, it is necessary to keep coating and solvent containers covered at all times to prevent solvent evaporation.

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

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

Compliance Determination Requirements

D.5.3 Volatile Organic Compound (VOC)

- (a) The integral internal thermal oxidizers associated with each oven shall operate with an overall efficiency of not less than 98.5% at all times when the wire enameling oven is in operation.
- (b) The 98.5% overall efficiency for each oven is necessary to ensure that 326 IAC 8-2-8, 326 IAC 2-2 and 40 CFR 52.21 do not apply.
- (c) The integral internal thermal oxidizers shall be operated at or above 1250°F or a temperature determined during compliance tests to maintain a minimum 98.5% overall efficiency.

D.5.4 Volatile Organic Compound (VOC)

Compliance with the VOC content and usage limitations contained in Condition D.5.1 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. IDEM, OAM reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.

D.5.5 Testing Requirements [326 IAC 2-7-6(1), (6)]

- (a) Within 18 months after issuance of this permit, the Permittee shall perform VOC testing utilizing Methods 25 (40 CFR 60, Appendix A) for VOC, or other methods as approved by the Commissioner.

- (b) One oven shall be tested from the list of ovens in Group 5. Group 5 consists of the following ovens: 595-600, 701-702, 703-704, 705-706, 707-708, 709-710, 711-712, 713-714 and 715-716.
- (c) Additionally, if the temperature falls below the 1250°F required minimum temperature it will be considered a violation unless the Permittee performs VOC testing utilizing Methods 25 (40 CFR 60, Appendix A) for VOC, or other methods as approved by the Commissioner to ensure compliance with the 98.5% overall efficiency at the lower temperature.

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

D.5.6 Monitoring

- (a) Compliance with the 1250°F minimum temperature will be monitored by computer collected data generated continuously.
- (b) Eight-hour average temperatures will be made available to IDEM upon request and one-hour temperature records will be made available within five business days from request.
- (c) The temperatures will be reported based on an eight-hour average.
- (d) The ovens shall operate with a five (5) degree buffer such that if the eight-hour average temperature falls within five (5) degrees of the minimum required temperature, corrective action shall be performed and one-hour temperatures shall be investigated to determine if any temperature fell below the actual minimum temperature.
- (e) If during specific hours the temperature is less than the established minimum temperature, this will be considered noncompliance.

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

D.5.7 Record Keeping Requirements

- (a) To document compliance with Condition D.5.1, the Permittee shall maintain records of material safety data sheets (MSDS) to verify the VOC content of each coating material and solvent used.
- (b) To document compliance with Condition D.5.6, the Permittee shall maintain records of the computer collected data.
- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.6 FACILITY OPERATION CONDITIONS - Ovens 701-702, 703-704, 705-706, 707-708, 709-710, 711-712, 713-714 and 715-716

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

Eight (8) SEL electric wire enameling ovens with integral internal thermal oxidizers, unit numbers 701-702, 703-704, 705-706, 707-708, 709-710, 711-712, 713-714 and 715-716 with a maximum rating of 92.28 thousand feet per hour each. Emissions shall be exhausted at Stack/Vents ID # 115, 116, 117 118,119, 120, 121 and 122, respectively.

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

D.6.1 Volatile Organic Compounds

- (a) Potential emissions from emission units 701-702, 703-704, 705-706, 707-708, 709-710, 711-712, 713-714 and 715-716 are less than 15 pounds per day. Therefore, 326 IAC 8-2-8 will not apply. Any change or modification which may increase the potential emissions to 15 pounds per day or more of volatile organic compounds must be approved by the office of Air Management before any such change may occur.
- (b) This limit includes the evaporation of thinners being added to coatings to adjust viscosity, therefore, it is necessary to keep coating and solvent containers covered at all times to prevent solvent evaporation.

D.6.2 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

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

Compliance Determination Requirements

D.6.3 Volatile Organic Compound (VOC)

- (a) The integral internal thermal oxidizers associated with each oven shall operate with an overall efficiency of not less than 98.5% at all times when the wire enameling oven is in operation.
- (b) The 98.5% overall efficiency for each oven is necessary to ensure that 326 IAC 8-2-8, 326 IAC 2-2 and 40 CFR 52.21 do not apply.
- (c) The integral internal thermal oxidizers shall be operated at or above 1250°F or a temperature determined during compliance tests to maintain a minimum 98.5% overall efficiency.

D.6.4 Volatile Organic Compound (VOC)

Compliance with the VOC content and usage limitations contained in Condition D.6.1 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. IDEM, OAM reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.

D.6.5 Testing Requirements [326 IAC 2-7-6(1), (6)]

- (a) Within 18 months after issuance of this permit, the Permittee shall perform VOC testing utilizing Methods 25 (40 CFR 60, Appendix A) for VOC, or other methods as approved by the Commissioner.
- (b) One oven shall be tested from the list of ovens in Group 5. Group 5 consists of the following ovens: 595-600, 701-702, 703-704, 705-706, 707-708, 709-710, 711-712, 713-714 and 715-716.
- (c) Additionally, if the temperature falls below the 1250°F required minimum temperature it will be considered a violation unless the Permittee performs VOC testing utilizing Methods 25 (40 CFR 60, Appendix A) for VOC, or other methods as approved by the Commissioner to ensure compliance with the 98.5% overall efficiency at the lower temperature..

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

D.6.6 Monitoring

- (a) Compliance with the 1250°F minimum temperature will be monitored by computer collected data generated continuously.
- (b) Eight-hour average temperatures will be made available to IDEM upon request and one-hour temperature records will be made available within five business days from request.
- (c) The temperatures will be reported based on an eight-hour average.
- (d) The ovens shall operate with a five (5) degree buffer such that if the eight-hour average temperature falls within five (5) degrees of the minimum required temperature, corrective action shall be performed and one-hour temperatures shall be investigated to determine if any temperature fell below the actual minimum temperature.
- (e) If during specific hours the temperature is less than the established minimum temperature, this will be considered noncompliance.

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

D.6.7 Record Keeping Requirements

- (a) To document compliance with Condition D.6.1, the Permittee shall maintain records of Material Data Safety Sheets (MSDS) to verify the VOC content of each coating material and solvent used.
- (b) To document compliance with Condition D.6.6, the Permittee shall maintain records of the computer collected data.
- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.7 FACILITY OPERATION CONDITIONS-Ovens 725-726, 727-728, 729-730, 731-732, 733-734, 735-736, 737-738 and 739-740

Facility Description [326 IA 2-7-5(15)]
Eight (8) SEL electric wire enameling ovens with integral internal thermal oxidizers, unit numbers 725-726, 727-728, 729-730, 731-732, 733-734, 735-736, 737-738 and 739-740 with a maximum rating of 92.28 thousand feet per hour each. Emissions shall be exhausted at Stack/Vents ID # 134, 135, 136, 137.138, 139, 140 and 141, respectively.

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

D.7.1 Volatile Organic Compounds

- (a) Potential emissions from emission units 725-726, 727-728, 729-730, 731-732, 733-734, 735-736, 737-738 and 739-740 are less than 15 pounds per day. Therefore, 326 IAC 8-2-8 will not apply. Any change or modification which may increase the potential emissions to 15 pounds per day or more of volatile organic compounds must be approved by the office of Air Management before any such change may occur.
- (b) This limit includes the evaporation of thinners being added to coatings to adjust viscosity, therefore, it is necessary to keep coating and solvent containers covered at all times to prevent solvent evaporation.

D.7.2 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

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

Compliance Determination Requirements

D.7.3 Volatile Organic Compound (VOC)

- (a) The integral internal thermal oxidizer associated with each oven shall operate with an overall efficiency of not less than 97.5% at all times when the wire enameling oven is in operation.
- (b) The 97.5% overall efficiency for each oven is necessary to ensure that 326 IAC 8-2-8, 326 IAC 2-2 and 40 CFR 52.21 do not apply.
- (c) The integral internal thermal oxidizers shall be operated at or above 1,120°F, or a temperature determined during compliance tests to maintain a minimum 97.5% overall efficiency.

D.7.4 Volatile Organic Compound (VOC)

Compliance with the VOC content and usage limitations contained in Condition D.7.1 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. IDEM, OAM reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.

D.7.5 Testing Requirements [326 IAC 2-7-6(1), (6)]

- (a) Within 22 months after issuance of this permit, the Permittee shall perform VOC testing utilizing Methods 25 (40 CFR 60, Appendix A) for VOC, or other methods as approved by the Commissioner.
- (b) One oven shall be tested from the list of ovens in Group 5A. Group 5A consists of the following ovens: 725-726, 727-728, 729-730, 731-732, 733-734, 735-736, 737-738 and 739-740.
- (c) Additionally, if the temperature falls below the 1120°F required minimum temperature it will be considered a violation unless the Permittee performs VOC testing utilizing Methods 25 (40 CFR 60, Appendix A) for VOC, or other methods as approved by the Commissioner to ensure compliance with the 97.5% overall efficiency at the lower temperature.

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

D.7.6 Monitoring

- (a) Compliance with the 1120°F minimum temperature will be monitored by computer collected data generated continuously.
- (b) Eight-hour average temperatures will be made available to IDEM upon request and one-hour temperature records will be made available within five business days from request.
- (c) The temperatures will be reported based on an eight-hour average.
- (d) The ovens shall operate with a five (5) degree buffer such that if the eight-hour average temperature falls within five (5) degrees of the minimum required temperature, corrective action shall be performed and one-hour temperatures shall be investigated to determine if any temperature fell below the actual minimum temperature.
- (e) If during specific hours the temperature is less than the established minimum temperature, this will be considered noncompliance.

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

D.7.7 Record Keeping Requirements

- (a) To document compliance with Condition D.7.1, the Permittee shall maintain records of material safety data sheets (MSDS) to verify the VOC content of each coating material and solvent used.
- (b) To document compliance with Condition D.7.6, the Permittee shall maintain records of the computer collected data.
- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.8 FACILITY OPERATION CONDITIONS-Ovens 601-12, 613-624 and 669-680

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

Three (3) NEMG gas fired wire enameling ovens with integral internal thermal oxidizers, unit numbers 601-612 , 613-624 and 669-680 with a maximum rating of 140.40 thousand feet per hour each. Emissions shall be exhausted at Stack/Vents ID # 101, 100 and 87 respectively.

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

D.8.1 Volatile Organic Compounds [326 IAC 8-2-8]

- (a) Pursuant to 326 IAC 8-2-8 (Magnet Wire Coating Operations), the volatile organic compound (VOC) content of electrically insulating varnishes or enamel applied to aluminum or copper wire for use in electrical machinery shall be limited to 1.7 pounds VOC per gallon of coating less water delivered to the applicator.
- (b) The limit includes the evaporation of thinners being added to coatings to adjust viscosity, therefore, it is necessary to keep coating and solvent containers covered at all times to prevent solvent evaporation.

D.8.2 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

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

Compliance Determination Requirements

D.8.3 Volatile Organic Compound (VOC)

- (a) The integral internal thermal oxidizer associated with each oven shall operate with an overall efficiency of not less than 98.5% at all times when the wire enameling oven is in operation.
- (b) The 98.5% overall efficiency for each oven is necessary to ensure that 326 IAC 2-2 and 40 CFR 52.21 do not apply.
- (c) The integral internal thermal oxidizers shall be operated at or above 1,400°F, or a temperature determined during compliance tests to maintain a minimum 98.5% overall efficiency.
- (d) The basecoat VOC content of electrically insulating varnishes or enamel applied to aluminum or copper wire for use in electrical machinery shall not exceed 5.57 pounds VOC per gallon of coating less water. This is equivalent to a VOC content of 1.7 pounds VOC per gallon of coating less water after the effect of the internal thermal oxidizers.
- (e) The topcoat VOC content of electrically insulating varnishes or enamel applied to aluminum or copper wire for use in electrical machinery shall not exceed 7.06 pounds VOC per gallon of coating less water. This is equivalent to a VOC content of 1.7 pounds VOC per gallon of coating less water after the effect of the internal thermal oxidizers.

D.8.4 Volatile Organic Compound (VOC)

Compliance with the VOC content and usage limitations contained in Condition D.8.1 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. IDEM, OAM reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.

D.8.5 Testing Requirements [326 IAC 2-7-6(1), (6)]

- (a) Within 54 months after issuance of this permit, the Permittee shall perform VOC testing utilizing Methods 25 (40 CFR 60, Appendix A) for VOC, or other methods as approved by the Commissioner.
- (b) One oven shall be tested from the list of ovens in Group 6. Group 6 consists of the following ovens: 601-612, 613-624 and 669-680.
- (c) Additionally, if a higher VOC content coating is used or if the temperature falls below the 1400°F required minimum temperature it will be considered a violation unless the Permittee performs VOC testing utilizing Methods 25 (40 CFR 60, Appendix A) for VOC, or other methods as approved by the Commissioner to ensure compliance with the 98.5% overall efficiency.

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

D.8.6 Monitoring

- (a) Compliance with the 1400°F minimum temperature will be monitored by computer collected data generated continuously.
- (b) Eight-hour average temperatures will be made available to IDEM upon request and one-hour temperature records will be made available within five business days from request.
- (c) The temperatures will be reported based on an eight-hour average.
- (d) The ovens shall operate with a five (5) degree buffer such that if the eight-hour average temperature falls within five (5) degrees of the minimum required temperature, corrective action shall be performed and one-hour temperatures shall be investigated to determine if any temperature fell below the actual minimum temperature.
- (e) If during specific hours the temperature is less than the established minimum temperature, this will be considered noncompliance.

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

D.8.7 Record Keeping Requirements

- (a) To document compliance with Condition D.8.1, the Permittee shall maintain records of material data safety sheets (MSDS) to verify the VOC content of each coating material and solvent used.
- (b) To document compliance with Condition D.8.6, the Permittee shall maintain records of the computer collected data.

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

D.9 FACILITY OPERATION CONDITIONS-Ovens 625-628, 629-632, 633-638, 639-644, 645-650 and 651-656

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

The following six (6) NEM electric wire enameling ovens with an integral internal thermal oxidizer for control:

Two (2) NEM electric wire enameling ovens with integral internal thermal oxidizers, unit numbers 625-628 and 629-632 with a maximum rating of 48.24 thousand feet per hour each. Emissions shall be exhausted at Stack/Vent ID # 69 and 52.

Four (4) NEM electric wire enameling ovens with integral internal oxidizers, unit numbers 633-638, 639-644, 645-650 and 651-656 with a maximum rating of 72.36 thousand units per hour each. Emissions shall be exhausted at Stack/Vents ID #76, 86, 77 and 85, respectively.

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

D.9.1 Volatile Organic Compounds

- (a) Potential emissions from emission units 625-628, 629-632, 633-638, 639-644, 645-650 and 651-656 are less than 25 tons per year. Therefore, 326 IAC 8-2-8 will not apply. Any change or modification which may increase the potential emissions to 25 tons per year or more of volatile organic compounds must be approved by the office of Air Management before any such change may occur.
- (b) This limit includes the evaporation of thinners being added to coatings to adjust viscosity, therefore, it is necessary to keep coating and solvent containers covered at all times to prevent solvent evaporation.

D.9.2 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

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

Compliance Determination Requirements

D.9.3 Volatile Organic Compound (VOC)

- (a) The integral internal thermal oxidizer associated with each oven shall operate with an overall efficiency of not less than 98.5% at all times when the wire enameling oven is in operation.
- (b) The 98.5% overall efficiency for each oven is necessary to ensure that 326 IAC 8-2-8, 326 IAC 2-2 and 40 CFR 52.21 do not apply
- (c) The integral internal thermal oxidizers shall be operated at or above 1,250°F or a temperature determined during compliance tests to maintain a minimum 98.5% overall efficiency.

D.9.4 Volatile Organic Compound (VOC)

Compliance with the VOC content and usage limitations contained in Condition D.9.1 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. IDEM, OAM reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.

D.9.5 Testing Requirements [326 IAC 2-7-6(1), (6)]

- (a) Within 10 months after issuance of this permit, the Permittee shall perform VOC testing utilizing Methods 25 (40 CFR 60, Appendix A) for VOC, or other methods as approved by the Commissioner.
- (b) One oven shall be tested from the list of ovens in Group 7. Group 7 consists of the following ovens: 625-628, 629-632, 633-638, 639-644 645-650 and 651-656.
- (c) Additionally, if the temperature falls below the 1250°F required minimum temperature it will be considered a violation unless the Permittee performs VOC testing utilizing Methods 25 (40 CFR 60, Appendix A) for VOC, or other methods as approved by the Commissioner to ensure compliance with the 98.5% overall efficiency at the lower temperature.

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

D.9.6 Monitoring

- (a) Compliance with the 1250°F minimum temperature will be monitored by computer collected data generated continuously.
- (b) Eight-hour average temperatures will be made available to IDEM upon request and one-hour temperature records will be made available within five business days from request.
- (c) The temperatures will be reported based on an eight-hour average.
- (d) The ovens shall operate with a five (5) degree buffer such that if the eight-hour average temperature falls within five (5) degrees of the minimum required temperature, corrective action shall be performed and one-hour temperatures shall be investigated to determine if any temperature fell below the actual minimum temperature.
- (e) If during specific hours the temperature is less than the established minimum temperature, this will be considered noncompliance

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

D.9.7 Record Keeping Requirements

- (a) To document compliance with Condition D.9.1, the Permittee shall maintain records of material safety data sheets (MSDS) to verify the VOC content of each coating material and solvent used.
- (b) To document compliance with Condition D.9.6, the Permittee shall maintain records of the computer collected data.

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

D.10 FACILITY OPERATION CONDITIONS-Oven 657-668

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

One (1) NEL electric wire enameling oven with an integral internal thermal oxidizer, unit number 657-668, with a maximum rating of 144.72 thousand feet per hour. Emissions shall be exhausted at Stack/vent ID #78.

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

D.10.1 Volatile Organic Compounds

- (a) Potential emissions from emission units 657-668 are less than 25 tons per year. Therefore, 326 IAC 8-2-8 will not apply. Any change or modification which may increase the potential emissions to 25 tons per year or more of volatile organic compounds must be approved by the office of Air Management before any such change may occur.
- (b) This limit includes the evaporation of thinners being added to coatings to adjust viscosity, therefore, it is necessary to keep coating and solvent containers covered at all times to prevent solvent evaporation.

D.10.2 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

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

Compliance Determination Requirements

D.10.3 Volatile Organic Compound (VOC)

- (a) The integral internal thermal oxidizer associated with the oven shall operate with an overall efficiency of not less than 98.5% at all times when the wire enameling oven is in operation.
- (b) The 98.5% overall efficiency for each oven is necessary to ensure that 326 IAC 8-2-8, 326 IAC 2-2 and 40 CFR 52.21 do not apply.
- (c) The integral internal thermal oxidizer shall be operated at or above 1,250°F or a temperature determined during compliance tests to maintain a minimum 98.5% overall efficiency.

D.10.4 Volatile Organic Compound (VOC)

Compliance with the VOC content and usage limitations contained in Condition D.10.1 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. IDEM, OAM reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.

D.10.5 Testing Requirements [326 IAC 2-7-6(1), (6)]

- (a) Within 14 months after issuance of this permit, the Permittee shall perform VOC testing utilizing Methods 25 (40 CFR 60, Appendix A) for VOC, or other methods as approved by the Commissioner.

- (b) Additionally, if the temperature falls below the 1250°F required minimum temperature if will be considered a violation unless the Permittee performs VOC testing utilizing Methods 25 (40 CFR 60, Appendix A) for VOC, or other methods as approved by the Commissioner to ensure compliance with the 98.5% overall efficiency at the lower temperature.

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

D.10.6 Monitoring

- (a) Compliance with the 1250°F minimum temperature will be monitored by computer collected data generated continuously.
- (b) Eight-hour average temperatures will be made available to IDEM upon request and one-hour temperature records will be made available within five business days from request.
- (c) The temperatures will be reported based on an eight-hour average.
- (d) The ovens shall operate with a five (5) degree buffer such that if the eight-hour average temperature falls within five (5) degrees of the minimum required temperature, corrective action shall be performed and one-hour temperatures shall be investigated to determine if any temperature fell below the actual minimum temperature.
- (e) If during specific hours the temperature is less than the established minimum temperature, this will be considered noncompliance.

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

D.10.7 Record Keeping Requirements

- (a) To document compliance with Condition D.10.1, the Permittee shall maintain records of material safety data sheets (MSDS) to verify the VOC content of each coating material and solvent used.
- (b) To document compliance with Condition D.10.6, the Permittee shall maintain records of the computer collected data.
- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.11 FACILITY OPERATION CONDITIONS - Oven 681-696

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

One (1) NORG gas fired wire enameling oven with an integral internal thermal oxidizer, unit number 681-696, with a maximum rating of 180.48 thousand feet per hour. Emissions shall be exhausted at Stack/Vent ID# 99.

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

D.11.1 Volatile Organic Compounds

- (a) Potential emissions from emission unit 681-696 are less than 15 pounds per day. Therefore, 326 IAC 8-2-8 will not apply. Any change or modification which may increase the potential emissions to 15 pounds per day or more of volatile organic compounds must be approved by the office of Air Management before any such change may occur.
- (b) This limit includes the evaporation of thinners being added to coatings to adjust viscosity, therefore, it is necessary to keep coating and solvent containers covered at all times to prevent solvent evaporation.

D.11.2 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

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

Compliance Determination Requirements

D.11.3 Volatile Organic Compound (VOC)

- (a) The integral internal thermal oxidizer associated with the oven shall operate with an overall efficiency of not less than 98.5% at all times when the wire enameling oven is in operation.
- (b) The 98.5% overall efficiency for the oven is necessary to ensure that 326 IAC 8-2-8, 326 IAC 2-2 and 40 CFR 52.21 do not apply.
- (c) The integral internal thermal oxidizer shall be operated at or above 1328/F, or a temperature determined during compliance tests to maintain a minimum 98.5% overall efficiency.

D.11.4 Volatile Organic Compound (VOC)

Compliance with the VOC content and usage limitations contained in Condition D.11.1 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. IDEM, OAM reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.

D.11.5 Testing Requirements [326 IAC 2-7-6(1), (6)]

- (a) Within 58 months after issuance of this permit, the Permittee shall perform VOC testing utilizing Methods 25 (40 CFR 60, Appendix A) for VOC, or other methods as approved by the Commissioner.

- (b) Additionally, if the temperature falls below the 1328°F required minimum temperature it will be considered a violation unless the Permittee performs VOC testing utilizing Methods 25 (40 CFR 60, Appendix A) for VOC, or other methods as approved by the Commissioner to ensure compliance with the 98.5% overall efficiency at the lower temperature.

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

D.11.6 Monitoring

- (a) Compliance with the 1328°F minimum temperature will be monitored by computer collected data generated continuously.
- (b) Eight-hour average temperatures will be made available to IDEM upon request and one-hour temperature records will be made available within five business days from request.
- (c) The temperatures will be reported based on an eight-hour average.
- (d) The ovens shall operate with a five (5) degree buffer such that if the eight-hour average temperature falls within five (5) degrees of the minimum required temperature, corrective action shall be performed and one-hour temperatures shall be investigated to determine if any temperature fell below the actual minimum temperature.
- (e) If during specific hours the temperature is less than the established minimum temperature, this will be considered noncompliance.

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

D.11.7 Record Keeping Requirements

- (a) To document compliance with Condition D.11.1, the Permittee shall maintain records of material safety data sheets (MSDS) to verify the VOC content of each coating material and solvent used.
- (b) To document compliance with Condition D.11.6, the Permittee shall maintain records of the computer collected data.
- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.12 FACILITY OPERATION CONDITIONS - Ovens 301-308 and 309-316

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

Two (2) NEV gas fired wire enameling ovens with integral internal thermal oxidizers, unit numbers 301-308 and 309-316, with a maximum rating of 51.36 thousand feet per hour each. Emissions shall be exhausted at Stack/Vents ID #88 and 89 respectively.

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

D.12.1 Volatile Organic Compounds [326 IAC 8-2-8]

- (a) Pursuant to 326 IAC 8-2-8 (Magnet Wire Coating Operations), the volatile organic compound (VOC) content of electrically insulating varnishes or enamel applied to aluminum or copper wire for use in electrical machinery shall be limited to 1.7 pounds VOC per gallon of coating less water delivered to the applicator.
- (b) The limit includes the evaporation of thinners being added to coatings to adjust viscosity, therefore, it is necessary to keep coating and solvent containers covered at all times to prevent solvent evaporation.

D.12.2 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

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

Compliance Determination Requirements

D.12.3 Volatile Organic Compound (VOC)

- (a) The integral internal thermal oxidizer associated with each oven shall operate with an overall efficiency of not less than 98.5% at all times when the wire enameling oven is in operation.
- (b) The 98.5% overall efficiency for each oven is necessary to ensure that 326 IAC 2-2 and 40 CFR 52.21 do not apply.
- (c) The integral internal thermal oxidizer shall be operated at or above 1250°F, or a temperature determined during compliance tests to maintain a minimum 98.5% overall efficiency.
- (d) The VOC content of electrically insulating varnishes or enamel applied to aluminum or copper wire for use in electrical machinery shall not exceed 6.44 pounds VOC per gallon of coating less water. This is equivalent to a VOC content of 1.7 pounds VOC per gallon of coating less water after the effect of the internal thermal oxidizers.

D.12.4 Volatile Organic Compound (VOC)

Compliance with the VOC content and usage limitations contained in Condition D.12.1 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. IDEM, OAM reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.

D.12.5 Testing Requirements [326 IAC 2-7-6(1), (6)]

- (a) Within 30 months after issuance of this permit, the Permittee shall perform VOC testing utilizing Methods 25 (40 CFR 60, Appendix A) for VOC, or other methods as approved by the Commissioner.
- (b) One oven shall be tested from the list of ovens in Group 10. Group 10 consists of the following ovens: 301-308 and 309-316.
- (c) Additionally, if a higher VOC content coating is used or if the temperature falls below the 1250°F required minimum temperature it will be considered a violation unless the Permittee performs VOC testing utilizing Methods 25 (40 CFR 60, Appendix A) for VOC, or other methods as approved by the Commissioner to ensure compliance with the 98.5% overall efficiency.

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

D.12.6 Monitoring

- (a) Compliance with the 1250°F minimum temperature will be monitored by computer collected data generated continuously.
- (b) Eight-hour average temperatures will be made available to IDEM upon request and one-hour temperature records will be made available within five business days from request.
- (c) The temperatures will be reported based on an eight-hour average.
- (d) The ovens shall operate with a five (5) degree buffer such that if the eight-hour average temperature falls within five (5) degrees of the minimum required temperature, corrective action shall be performed and one-hour temperatures shall be investigated to determine if any temperature fell below the actual minimum temperature.
- (e) If during specific hours the temperature is less than the established minimum temperature, this will be considered noncompliance.

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

D.12.7 Record Keeping Requirements

- (a) To document compliance with Condition D.12.1, the Permittee shall maintain records of material safety data sheets (MSDS) to verify the VOC content of each coating material and solvent used.
- (b) To document compliance with Condition D.12.6, the Permittee shall maintain records of the computer collected data.
- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.13 FACILITY OPERATION CONDITIONS -Ovens 317-322, 323-328, 329-334 and 335-340

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

Four (4) SEV electric wire enameling ovens with integral internal thermal oxidizers, unit numbers 317-322, 323-328, 329-334, and 335-340, with a maximum rating of 52.20 thousand feet per hour each. Emissions shall be exhausted at Stack/Vents ID#144, 145, 146 and 147, respectively.

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

D.13.1 Volatile Organic Compounds [326 IAC 8-2-8]

- (a) Pursuant to 326 IAC 8-2-8 (Magnet Wire Coating Operations), the volatile organic compound (VOC) content of electrically insulating varnishes or enamel applied to aluminum or copper wire for use in electrical machinery shall be limited to 1.7 pounds VOC per gallon of coating less water delivered to the applicator.
- (b) The limit includes the evaporation of thinners being added to coatings to adjust viscosity, therefore, it is necessary to keep coating and solvent containers covered at all times to prevent solvent evaporation.

D.13.2 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

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

Compliance Determination Requirements

D.13.3 Volatile Organic Compounds (VOC)

- (a) The integral internal thermal oxidizer associated with each oven shall operate with an overall efficiency of not less than 98.5% at all times when the wire enameling oven is in operation.
- (b) The 98.5% overall efficiency for each oven is necessary to ensure that 326 IAC 2-2 and 40 CFR 52.21 do not apply.
- (c) The integral internal thermal oxidizers shall be operated at or above 1250/F or the temperature determined during compliance tests to maintain a minimum 98.5% overall efficiency.
- (d) The VOC content of electrically insulating varnishes or enamel applied to aluminum or copper wire for use in electrical machinery shall not exceed 6.44 pounds VOC per gallon of coating less water. This is equivalent to a VOC content of 1.7 pounds VOC per gallon of coating less water after the effect of the internal thermal oxidizers.

D.13.4 Volatile Organic Compounds (VOC)

Compliance with the VOC content limitations contained in Conditions D.13.1 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. IDEM, OAM reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.

D.13.5 Testing Requirements [326 IAC 2-7-6(1), (6)]

- (a) Within 46 months after issuance of this permit, the Permittee shall perform VOC testing utilizing Methods 25 (40 CFR 60, Appendix A) for VOC, or other methods as approved by the Commissioner.
- (b) One oven shall be tested from the list of ovens in Group 11. Group 11 consists of the following ovens: 317-322, 323-328, 329-334 and 335-340.
- (c) Additionally, if a higher VOC content coating is used or if the temperature falls below the 1250°F required minimum temperature it will be considered a violation unless the Permittee performs VOC testing utilizing Methods 25 (40 CFR 60, Appendix A) for VOC, or other methods as approved by the Commissioner to ensure compliance with the 98.5% overall efficiency.

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

D.13.6 Monitoring

- (a) Compliance with the 1250°F minimum temperature will be monitored by computer collected data generated continuously.
- (b) Eight-hour average temperatures will be made available to IDEM upon request and one-hour temperature records will be made available within five business days from request.
- (c) The temperatures will be reported based on an eight-hour average.
- (d) The ovens shall operate with a five (5) degree buffer such that if the eight-hour average temperature falls within five (5) degrees of the minimum required temperature, corrective action shall be performed and one-hour temperatures shall be investigated to determine if any temperature fell below the actual minimum temperature.
- (e) If during specific hours the temperature is less than the established minimum temperature, this will be considered noncompliance.

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

D.13.7 Record Keeping Requirements

- (a) To document compliance with Condition D.13.1, the Permittee shall maintain records of material safety data sheets (MSDS) to verify the VOC content of each coating material and solvent used.
- (b) To document compliance with Condition D.13.6, the Permittee shall maintain records of the computer collected data.
- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.14 FACILITY OPERATION CONDITIONS - Ovens 801-808, 809-816, 817-824, and 825-832

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

The following four (4) SEM electric wire enameling ovens with an integral internal thermal oxidizer for control:

Two (2) SEM electric wire enameling ovens with integral internal thermal oxidizers, unit numbers 801-808 and 809-816, with a maximum rating of 163.8 thousand feet per hour each. Emissions shall be exhausted at Stack/Vents ID #142 and 143.

Two (2) SEM electric wire enameling ovens with integral internal thermal oxidizers, unit numbers 817-824 and 825-832, with a maximum rating of 190 thousand feet per hour each. Emissions shall be exhausted at Stack/Vents ID # 205 and 206.

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

D.14.1 Volatile Organic Compounds

- (a) Potential emissions from emission units 801-808, 809-816, 817-824, and 825-832 are less than 15 pounds per day. Therefore, 326 IAC 8-2-8 will not apply. Any change or modification which may increase the potential emissions to 15 pounds per day or more of volatile organic compounds must be approved by the office of Air Management before any such change may occur.
- (b) This limit includes the evaporation of thinners being added to coatings to adjust viscosity, therefore, it is necessary to keep coating and solvent containers covered at all times to prevent solvent evaporation.

D.14.2 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

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

Compliance Determination Requirements

D.14.3 Volatile Organic Compounds (VOC)

- (a) The integral internal thermal oxidizer associated with ovens 801-808, 809-816, 817-824 and 825-832 shall operate with an overall efficiency of not less than 98.5% at all times when the wire enameling oven is in operation.
- (b) The 98.5% overall efficiency for each oven is necessary to ensure that 326 IAC 8-2-8, 326 IAC 2-2 and 40 CFR 52.21 do not apply
- (c) The integral internal thermal oxidizers shall be operated at or above 1150°F or the temperature determined during compliance tests to maintain a minimum 98.5% overall efficiency.

D.14.4 Volatile Organic Compounds (VOC)

Compliance with the VOC content limitations contained in Conditions D.14.1 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. IDEM, OAM reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.

D.14.5 Testing Requirements [326 IAC 2-7-6(1), (6)]

- (a) Within 34 months after issuance of this permit, the Permittee shall perform VOC testing utilizing Methods 25 (40 CFR 60, Appendix A) for VOC, or other methods as approved by the Commissioner.
- (b) One oven shall be tested from the list of ovens in Group 12. Group 12 consists of the following ovens: 801-808, 809-816, 817-824 and 825-832.
- (c) Additionally, if the temperature falls below the 1150°F required minimum temperature it will be considered a violation unless the Permittee performs VOC testing utilizing Methods 25 (40 CFR 60, Appendix A) for VOC, or other methods as approved by the Commissioner to ensure compliance with the 98.5% overall efficiency at the lower temperature.

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

D.14.6 Monitoring

- (a) Compliance with the 1150°F minimum temperature will be monitored by computer collected data generated continuously.
- (b) Eight-hour average temperatures will be made available to IDEM upon request and one-hour temperature records will be made available within five business days from request.
- (c) The temperatures will be reported based on an eight-hour average.
- (d) The ovens shall operate with a five (5) degree buffer such that if the eight-hour average temperature falls within five (5) degrees of the minimum required temperature, corrective action shall be performed and one-hour temperatures shall be investigated to determine if any temperature fell below the actual minimum temperature.
- (e) If during specific hours the temperature is less than the established minimum temperature, this will be considered noncompliance.

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

D.14.7 Record Keeping Requirements

- (a) To document compliance with Condition D.14.1, the Permittee shall maintain records of material safety data sheets (MSDS) to verify the VOC content of each coating material and solvent used.
- (b) To document compliance with Condition D.14.6, the Permittee shall maintain records of the computer collected data.
- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.15 FACILITY OPERATION CONDITIONS - Ovens 741, 742, 743, 744, 745, 746, 747 and 748

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

Eight (8) MAG HES-2 electric wire enameling ovens with integral internal thermal oxidizers, unit numbers 741, 742, 743, 744, 745, 746, 747 and 748 with a maximum rating of 91.86 thousand feet per hour each. Emissions shall be exhausted at Stack/Vents ID #150, 151, 152, 153, 154, 155, 156 and 157.

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

D.15.1 Volatile Organic Compounds [326 IAC 8-2-8]

- (a) Potential emissions from emission units 741, 742, 743, 744, 745, 746, 747 and 748 are less than 15 pounds per day. Therefore, 326 IAC 8-2-8 will not apply. Any change or modification which may increase the potential emissions to 15 pounds per day or more of volatile organic compounds must be approved by the office of Air Management before any such change may occur.
- (b) This limit includes the evaporation of thinners being added to coatings to adjust viscosity, therefore, it is necessary to keep coating and solvent containers covered at all times to prevent solvent evaporation.

D.15.2 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

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

Compliance Determination Requirements

D.15.3 Volatile Organic Compounds (VOC)

- (a) The integral internal thermal oxidizer associated with each oven shall operate with an overall efficiency of not less than 98.5% at all times when the wire enameling oven is in operation.
- (b) The 98.5% overall efficiency for each oven is necessary to ensure that 326 IAC 8-2-8, 326 IAC 2-2 and 40 CFR 52.21 do not apply.
- (c) The integral internal catalytic oxidizers shall be operated at or above 924°F or the temperature determined during compliance tests to maintain a minimum 98.5% overall efficiency.

D.15.4 Volatile Organic Compounds (VOC)

Compliance with the VOC content limitations contained in Conditions D.15.1 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. IDEM, OAM reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.

D.15.5 Testing Requirements [326 IAC 2-7-6(1), (6)]

- (a) Within 38 months after issuance of this permit, the Permittee shall perform VOC testing utilizing Methods 25 (40 CFR 60, Appendix A) for VOC, or other methods as approved by the Commissioner.

- (b) One oven shall be tested from the list of ovens in Group 13. Group 13 consists of the following ovens: 741, 742, 743, 744, 745, 746, 747 and 748.
- (c) Additionally, if the temperature falls below the 924°F required minimum temperature it will be considered a violation unless the Permittee performs VOC testing utilizing Methods 25 (40 CFR 60, Appendix A) for VOC, or other methods as approved by the Commissioner to ensure compliance with the 98.5% overall efficiency at the lower temperature.

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

D.15.6 Monitoring

- (a) Compliance with the 924°F minimum temperature will be monitored by computer collected data generated continuously.
- (b) Eight-hour average temperatures will be made available to IDEM upon request and one-hour temperature records will be made available within five business days from request.
- (c) The temperatures will be reported based on an eight-hour average.
- (d) The ovens shall operate with a five (5) degree buffer such that if the eight-hour average temperature falls within five (5) degrees of the minimum required temperature, corrective action shall be performed and one-hour temperatures shall be investigated to determine if any temperature fell below the actual minimum temperature.
- (e) If during specific hours the temperature is less than the established minimum temperature, this will be considered noncompliance.

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

D.15.7 Record Keeping Requirements

- (a) To document compliance with Condition D.15.1, the Permittee shall maintain records of material safety data sheets (MSDS) to verify the VOC content of each coating material and solvent used.
- (b) To document compliance with Condition D.15.6, the Permittee shall maintain records of the computer collected data.
- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.16 FACILITY OPERATION CONDITIONS - Ovens 833, 834, 835, 836, 837, 838, 839 and 840

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

Eight (8) MAG HES -5 electric wire enameling ovens with integral internal thermal oxidizers, unit numbers 833, 834, 835, 836, 837, 838, 839, and 840, with a maximum rating of 40.93 thousand feet per hour each. Emissions shall be exhausted at Stack/Vents ID# 207, 208, 209, 210, 211, 212, 213 and 214.

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

D.16.1 Volatile Organic Compounds

- (a) Potential emissions from emission units 833, 834, 835, 836, 837, 838, 839 and 840 are less than 15 pounds per month. Therefore, 326 IAC 8-2-8 will not apply. Any change or modification which may increase the potential emissions to 15 pounds per month or more of volatile organic compounds must be approved by the office of Air Management before any such change may occur.
- (b) This limit includes the evaporation of thinners being added to coatings to adjust viscosity, therefore, it is necessary to keep coating and solvent containers covered at all times to prevent solvent evaporation.

D.16.2 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

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

Compliance Determination Requirements

D.16.3 Volatile Organic Compounds (VOC)

- (a) The integral internal thermal oxidizer associated with each oven shall operate with an overall efficiency of not less than 98.5% at all times when the wire enameling oven is in operation.
- (b) The 98.5% overall efficiency for each oven is necessary to ensure that 326 IAC 8-2-8, 326 IAC 2-2 and 40 CFR 52.21 do not apply.
- (c) The integral internal thermal oxidizers shall be operated at or above 869°F or the temperature determined during compliance tests to maintain a minimum 98.5% overall efficiency.

D.16.4 Volatile Organic Compounds (VOC)

Compliance with the VOC content limitations contained in Conditions D.16.1 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. IDEM, OAM reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.

D.16.5 Testing Requirements [326 IAC 2-7-6(1), (6)]

- (a) Within 26 months after issuance of this permit, the Permittee shall perform VOC testing utilizing Methods 25 (40 CFR 60, Appendix A) for VOC, or other methods as approved by the Commissioner.

- (b) One oven shall be tested from the list of ovens in Group 14. Group 14 consists of the following ovens: 833, 834, 835, 836, 837, 838, 839 and 840.
- (c) Additionally, if the temperature falls below the 869°F required minimum temperature it will be considered a violation unless the Permittee performs VOC testing utilizing Methods 25 (40 CFR 60, Appendix A) for VOC, or other methods as approved by the Commissioner to ensure compliance with the 98.5% overall efficiency at the lower temperature.

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

D.16.6 Monitoring

- (a) Compliance with the 869°F minimum temperature will be monitored by computer collected data generated continuously.
- (b) Eight-hour average temperatures will be made available to IDEM upon request and one-hour temperature records will be made available within five business days from request.
- (c) The temperatures will be reported based on an eight-hour average.
- (d) The ovens shall operate with a five (5) degree buffer such that if the eight-hour average temperature falls within five (5) degrees of the minimum required temperature, corrective action shall be performed and one-hour temperatures shall be investigated to determine if any temperature fell below the actual minimum temperature.
- (e) If during specific hours the temperature is less than the established minimum temperature, this will be considered noncompliance.

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

D.16.7 Record Keeping Requirements

- (a) To document compliance with Condition D.16.1, the Permittee shall maintain records of material safety data sheets (MSDS) to verify the VOC content of each coating material and solvent used.
- (b) To document compliance with Condition D.16.6, the Permittee shall maintain records of the computer collected data.
- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.17 FACILITY OPERATION CONDITIONS-Insignificant Activities

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

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

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

D.17.1 Process Operations [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2, the particulate matter (PM) from the insignificant brazing, soldering and welding equipment and the cutting torches shall be limited by the following:

Interpolation and extrapolation 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:

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

Compliance Determination Requirement

D.17.2 Testing Requirements [326 IAC 2-7-6(1). (6)]

The Permittee is not required to test this facility by this permit. However, IDEM may require compliance testing at any specific time when necessary to determine if the facility is in compliance. If testing is required by IDEM, compliance with the limit specified in Condition D.17.1 shall be determined by a performance test conducted in accordance with Section C - Performance Testing.

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

**PART 70 OPERATING PERMIT
CERTIFICATION**

Source Name: Rea Magnet Wire Company
Source Address: 2800 Concord Road, Lafayette, Indiana 47905
Mailing Address: 2800 Concord Road, Lafayette, Indiana 47905
Part 70 Permit No: T157-6960-00032

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:

- 9 Annual Compliance Certification Letter
- 9 Test Result (specify) _____
- 9 Report (specify) _____
- 9 Notification (specify) _____
- 9 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 MANAGEMENT**

**COMPLIANCE DATA SECTION
P.O. Box 6015
100 North Senate Avenue
Indianapolis, Indiana 46206-6015
Phone: 317-233-5674
Fax: 317-233-5967**

**PART 70 OPERATING PERMIT
EMERGENCY/DEVIATION OCCURRENCE REPORT**

Source Name: Rea Magnet Company
Source Address: 2800 Concord Road, Lafayette, Indiana 47905
Mailing Address: 2800 Concord Road, Lafayette, Indiana 47905
Part 70 Permit No.: T157-6960-00032

This form consists of 2 pages

Page 1 of 2

Check either No. 1 or No.2	
9 1.	This is an emergency as defined in 326 IAC 2-7-1(12)
C	The Permittee must notify the Office of Air Management (OAM), within four (4) business hours (1-800-451-6027 or 317-233-5674, ask for Compliance Section); and
C	The Permittee must submit notice in writing or by facsimile within two (2) days (Facsimile Number: 317-233-5967), and follow the other requirements of 326 IAC 2-7-16
9 2.	This is a deviation, reportable per 326 IAC 2-7-5(3)(c)
C	The Permittee must submit notice in writing within ten (10) calendar days

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/Deviation:
Describe the cause of the Emergency/Deviation:

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

Page 2 of 2

Date/Time Emergency/Deviation started:
Date/Time Emergency/Deviation was corrected:
Was the facility being properly operated at the time of the emergency/deviation? 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/deviation:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by: _____
Title / Position: _____
Date: _____
Phone: _____

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

**PART 70 OPERATING PERMIT
 QUARTERLY COMPLIANCE MONITORING REPORT**

Source Name: Rea Magnet Wire Company
 Source Address: 2800 Concord Road, Lafayette, Indiana 47905
 Mailing Address: 2800 Concord Road, Lafayette, Indiana 47905
 Part 70 Permit No.: T157-6960-00032

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

This report is an affirmation that the source has met all the compliance monitoring requirements stated in this permit. This report shall be submitted quarterly. Any deviation from the compliance monitoring requirements and the date(s) of each deviation must be reported. Additional pages may be attached if necessary. This form can be supplemented by attaching the Emergency/Deviation Occurrence Report. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".

9 NO DEVIATIONS OCCURRED THIS REPORTING PERIOD

9 THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD

Compliance Monitoring Requirement (eg. Permit Condition D.1.3)	Number of Deviation	Date of each Deviations

Form Completed By: _____
 Title/Position: _____
 Date: _____
 Phone: _____

Attach a signed certification to complete this report.

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

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

Source Background and Description

Source Name:	Rea Magnet Wire Company
Source Location:	2800 Concord Road, Lafayette, Indiana 47905
County:	Tippecanoe
SIC Code:	3357
Operation Permit No.:	T157-6960-00032
Permit Reviewer:	Karen Purtell

The Office of Air Management (OAM) has reviewed a Part 70 permit application from Rea Magnet Wire Company, relating to the operation of wire coating.

Permitted Emission Units and Pollution Control Equipment

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

- (a) The following V-12 gas fired wire enameling ovens with an integral internal catalytic oxidizer for control:
- (1) One (1) V-12 gas fired wire enameling oven with an integral internal catalytic oxidizer, unit number 361-362, with a maximum rating of 163.10 thousand feet per hour. Emissions shall be exhausted at Stack/Vent ID# 64.
 - (2) Three (3) V-12 gas fired wire enameling ovens with integral internal catalytic oxidizers, unit numbers 363-364, 367-368 and 369-370, with a maximum rating of 301.12 thousand feet per hour each. Emissions shall be exhausted at Stack/Vent ID #63, 61 and 60 respectively.
 - (3) One (1) V-12 gas fired wire enameling oven with an integral internal catalytic oxidizer, unit number 365-366, with a maximum rating of 321.07 thousand feet per hour. Emissions shall be exhausted at Stack/Vent ID# 62.
 - (4) One (1) V-12 gas fired wire enameling oven with an integral internal catalytic oxidizer, unit number 371-372, with a maximum rating of 321.05 thousand feet per hour. Emissions shall be exhausted at Stack/Vent ID# 59.
 - (5) Six (6) V-12 gas fired wire enameling ovens with integral internal catalytic oxidizers, unit numbers 373-374, 375-376, 377-378, 379-380, 381-382 and 383-384, with a maximum rating of 303.5 thousand feet per hour each. Emissions shall be exhausted at Stack/Vent ID #58, 57, 56, 55, 54 and 53 respectively.

- (b) The following five (5) wire enameling ovens with an integral internal thermal oxidizer and add-on thermal incinerators for control:
- (1) Four (4) GEM gas fired wire enameling oven with integral internal thermal oxidizers, unit number 401-404, 429-432, 433-436 and 437-440, with a maximum rating of 31.68 thousand feet per hour each. Emissions shall be controlled by add-on thermal incinerators, then exhausted at Stack/Vent ID #1, 8, 9 and 10 respectively.
 - (2) One (1) GEI electric wire enameling oven with an internal thermal oxidizer, unit number 441-444, with a maximum rating of 59.04 thousand feet per hour. Emissions shall be controlled by an add-on thermal incinerator, then exhausted at Stack/Vent ID #51.
- (c) Three (3) MOCO wire enameling ovens with integral internal catalytic oxidizers, unit numbers 417-418, 421-424 and 425-428, with a maximum rating of 88.80 thousand feet per hour each. Emissions shall be controlled by add-on thermal incinerators, then exhausted at Stack/Vents ID #5, 6 and 7, respectively.
- (d) Eight (8) V-22 gas fired wire enameling ovens with integral internal thermal oxidizers, unit numbers 451-453, 454-456, 461-463, 464-466, 475, 476, 479 and 480, with a maximum rating of 72 thousand feet per hour each. Emissions shall be exhausted at Stack/Vents ID #203, 204, 201, 202, 148, 149, 68a and 68b, respectively.
- (e) Three (3) SEL electric wire enameling ovens with integral internal thermal oxidizers, unit numbers 595-600, with a maximum rating of 188.64 thousand feet per hour. Emissions shall be exhausted at Stack/Vents 131, 132 and 133.
- (f) Eight (8) SEL electric wire enameling ovens with integral internal thermal oxidizers, unit numbers 701-702, 703-704, 705-706, 707-708, 709-710, 711-712, 713-714 and 715-716 with a maximum rating of 92.28 thousand feet per hour each. Emissions shall be exhausted at Stack/Vents ID # 115, 116, 117 118,119, 120, 121 and 122, respectively.
- (g) Eight (8) SEL electric wire enameling ovens with integral internal thermal oxidizers, unit numbers 725-726, 727-728, 729-730, 731-732, 733-734, 735-736, 737-738 and 739-740 with a maximum rating of 92.28 thousand feet per hour each. Emissions shall be exhausted at Stack/Vents ID # 134, 135, 136, 137.138, 139, 140 and 141, respectively.
- (h) Three (3) NEMG gas fired wire enameling ovens with integral internal thermal oxidizers, unit numbers 601-612 , 613-624 and 669-680 with a maximum rating of 140.40 thousand feet per hour each. Emissions shall be exhausted at Stack/Vents ID # 101, 100 and 87 respectively.
- (i) The following six (6) NEM electric wire enameling ovens with an integral internal thermal oxidizer for control:

- (1) Two (2) NEM electric wire enameling ovens with integral internal thermal oxidizers, unit numbers 625-628 and 629-632 with a maximum rating of 48.24 thousand feet per hour each. Emissions shall be exhausted at Stack/Vent ID # 69 and 52.
- (2) Four (4) NEM electric wire enameling ovens with integral internal thermal oxidizers, unit numbers 633-638, 639-644, 645-650 and 651-656 with a maximum rating of 72.36 thousand units per hour each. Emissions shall be exhausted at Stack/Vents ID #76, 86, 77 and 85 respectively.
- (j) One (1) NEL electric wire enameling oven with an integral internal thermal oxidizer, unit number 657-668, with a maximum rating of 144.72 thousand feet per hour. Emissions shall be exhausted at Stack/vent ID #78.
- (k) One (1) NORG gas fired wire enameling oven with an integral internal thermal oxidizer, unit number 681-696, with a maximum rating of 180.48 thousand feet per hour. Emissions shall be exhausted at Stack/Vent ID# 99.
- (l) Two (2) NEV gas fired wire enameling ovens with integral internal thermal oxidizers, unit numbers 301-308 and 309-316, with a maximum rating of 51.36 thousand feet per hour each. Emissions shall be exhausted at Stack/Vents ID #88 and 89 respectively.
- (m) Four (4) SEV electric wire enameling ovens with integral internal thermal oxidizers, unit numbers 317-322, 323-328, 329-334, and 335-340, with a maximum rating of 52.20 thousand feet per hour each. Emissions shall be exhausted at Stack/Vents ID#144, 145, 146 and 147, respectively.
- (n) The following four (4) SEM electric wire enameling ovens with an integral internal thermal oxidizer for control:
 - (1) Two (2) SEM electric wire enameling ovens with integral internal thermal oxidizers, unit numbers 801-808 and 809-816, with a maximum rating of 163.8 thousand feet per hour each. Emissions shall be exhausted at Stack/Vents ID #142 and 143.
 - (2) Two (2) SEM electric wire enameling ovens with integral internal thermal oxidizers, unit numbers 817-824 and 825-832, with a maximum rating of 190 thousand feet per hour each. Emissions shall be exhausted at Stack/Vents ID # 205 and 206.
- (o) Eight (8) MAG HES-2 electric wire enameling ovens with integral internal thermal oxidizers, unit numbers 741, 742, 743, 744 745, 746, 747 and 748 with a maximum rating of 91.86 thousand feet per hour each. Emissions shall be exhausted at Stack/Vents ID #150, 151, 152, 153, 154, 155, 156 and 157.
- (p) Eight (8) MAG HES-5 electric wire enameling ovens with integral internal thermal oxidizers, unit numbers 833, 834, 835, 836, 837, 838, 839, and 840, with a maximum rating of 40.93 thousand feet per hour each. Emissions shall be exhausted at Stack/Vents ID# 207, 208, 209, 210, 211, 212, 213 and 214.

Air Pollution Control Justification as Integral Part of the Process

The company has submitted the following justification such that the VOC internal catalytic and thermal oxidizers be considered as an integral part of the wire coating process:

The VOCs will be oxidized using only the process heat supplied by the curing ovens.

IDEM, OAM has evaluated the justifications and agreed that the catalytic and thermal oxidation systems will be considered as an integral part of the wire coating process. Therefore, the permitting level will be determined using the potential emissions after the catalytic and thermal VOC oxidation systems. Operating conditions will be specified in the proposed permit that the catalytic and thermal VOC oxidation systems shall operate at all times when the wire coating process is in operation.

Unpermitted Emission Units and Pollution Control Equipment

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

Emission Units and Pollution Control Equipment Under Enhanced New Source Review (ENSR)

There are no new facilities to be reviewed under the ENSR process.

Insignificant Activities

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

- (a) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour.
- (b) Equipment powered by internal combustion engines of capacity equal to or less than 500,000 Btu per hour, except where total capacity of equipment operated by one stationary source exceeds 2,000,000 Btu per hour.
- (c) A gasoline fuel transfer and dispensing operation handling less than or equal to 1,300 gallons per day, such as filling of tanks, locomotives, automobiles, having a storage capacity less than or equal to 10,500 gallons.
- (d) The following VOC and HAP storage containers:
 - (1) Storage tanks with capacity less than or equal to 1,000 gallons and annual throughputs less than 12,000 gallons.
 - (2) Vessels storing lubricating oils, hydraulic oils, machining oils and machining fluids.
- (e) Application of oils, greases, lubricants or other nonvolatile materials applied as temporary protective coatings.
- (f) Machining where an aqueous cutting coolant continuously floods the machining interface.

- (g) Cleaners and solvents characterized as follows:
 - (1) having a vapor pressure equal to or less than 2 kPa; 15mm Hg; or 0.3 psi measured at 38 degrees C (or 100 degrees F) or;
 - (2) having a vapor pressure equal to or less than 0.7 kPa; 5mm Hg; or 0.1 psi measured at 20 degrees C (68 degrees F);The use of which for all cleaners and solvents combined does not exceed 145 gallons per 12 months.
- (h) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipments, cutting torches, soldering equipment, welding equipment.
- (i) Closed loop heating and cooling systems.
- (j) Any of the following structural steel and bridge fabrication activities:
 - (1) Cutting 20,000 linear feet or less of one (1") plate or equivalent.
 - (2) Using 80 tons or less of welding consumables.
- (k) Activities associated with the treatment of wastewater streams with an oil and grease content less than or equal to 1% by volume.
- (l) Any operation using aqueous solutions containing less than 1% by weight of VOCs excluding HAPs.
- (m) Noncontact cooling tower systems with forced and induced draft cooling tower system not regulated under a NESHAP.
- (n) Quenching operations used with heat treating processes.
- (o) Replacement or repair of electrostatic precipitators, bags in baghouses and filters in other air filtration equipment.
- (p) Heat exchanger cleaning and repair.
- (q) Process vessel degassing and cleaning to prepare for internal repairs.
- (r) Asbestos abatement projects regulated by 326 IAC 14-10.
- (s) Purging of gas lines and vessels that is related to routine maintenance and repair of buildings, structures, or vehicles at the source where air emissions from those activities would not be associated with any production process.
- (t) Equipment used to collect any material that might be released during a malfunction , process upset, or spill cleanup, including catch tanks, temporary liquid separators, tanks, and fluid handling equipment.
- (u) Blowdown for any of the following: sight glass; boiler, compressors, pumps and cooling tower.
- (v) Furnaces used for melting metals other than beryllium with brim full capacity or less than or equal to 450 cubic inches by volume.

- (w) On-site fire and emergency response training approved by the department.
- (x) Natural gas turbines or reciprocating engines not exceeding 16,000 horsepower emergency generators.
- (y) Stationary fire pumps (Electric)
- (z) Purge double block and bleed valves.
- (aa) A laboratory as defined in 326 IAC 2-7-1(21)(D).
- (ab) Magnet wire lubricating stations for applying lube prior to rewinding wire for packaging.

Existing Approvals

The source has been operating under the following approvals

- (1) OP# 79-10-86-0298, issued on December 27, 1982.
- (2) OP# 79-10-86-0299, issued on December 27, 1982.
- (3) OP# 79-10-86-0300, issued on December 27, 1982.
- (4) OP# 79-10-86-0301, issued on December 27, 1982.
- (5) OP# 79-10-86-0302, issued on December 27, 1982.
- (6) OP# 79-10-86-0303, issued on December 27, 1982.
- (7) OP# 79-10-86-0304, issued on December 27, 1982.
- (8) OP# 79-10-86-0305, issued on December 27, 1982.
- (9) Amendment to OP# 79-10-86-0305, issued on February 7, 1986.
- (10) Registration issued on September 11, 1986.
- (11) Registration issued on October 30, 1986.
- (12) Registration issued on October 21, 1987.
- (13) Exempt Permit Number 157-2430, issued on March 12, 1992.
- (14) Registration CP 157-3726, issued on July 5, 1994.
- (15) Registration CP 157-4011, issued on November 9, 1994.
- (16) Exempt Permit Number 157-4295, issued on February 16, 1995.
- (17) Amendment A 157-4624 (Amendment to Registration 157-1955) issued on August 23, 1995.

- (18) Registration CP 157-4624, issued on November 2, 1995.
- (19) Registration CP 157-5234, issued on February 2, 1996.
- (20) Registration CP 157-8226, issued on April 30, 1997

Enforcement Issue

There are no official Enforcement actions pending.

Recommendation

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

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

An administratively complete Part 70 permit application for the purposes of this review was received on October 22, 1996.

A notice of completeness letter was mailed to the source on November 8, 1996.

Emission Calculations

See Appendix A of this document for detailed emissions calculations pages 1 through 3.

Potential Emissions

Pursuant to 326 IAC 1-2-55, Potential Emissions are defined as "emissions of any one (1) pollutant which would be emitted from a facility, if that facility were operated without the use of pollution control equipment unless such control equipment is necessary for the facility to produce its normal product or is integral to the normal operation of the facility."

Pollutant	Potential Emissions (tons/year)
PM	less than 100
PM-10	less than 100
SO ₂	less than 100
VOC	greater than 250
CO	greater than 100, less than 250
NO _x	greater than 100, less than 250

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

HAP's	Potential Emissions (tons/year)
Cresols	greater than 10
Cumene	less than 10
Ethylbenzene	greater than 10
Phenol	greater than 10
Xylenes	greater than 10
TOTAL	greater than 25

- (a) The potential emissions (as defined in the Indiana Rule) of NO_x, CO and VOC are equal to or greater than 100 tons per year each. Therefore, the source is subject to the provisions of 326 IAC 2-7.
- (b) The potential emissions (as defined in Indiana Rule) of any single HAP are equal to or greater than ten (10) tons per year and the potential emissions (as defined in Indiana Rule) of a combination HAPs are greater than or equal to twenty-five (25) tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-7.

Actual Emissions

The following table shows the actual emissions from the source. This information reflects the OAM 1994 emission data.

Pollutant	Actual Emissions (tons/year)
PM	0.302
PM-10	0.300
SO ₂	0.090
VOC	432.795
CO	3.000
NO _x	15.000
Cresols	36.2
Cumene	0.89
Ethylbenzene	12.1
Phenol	75.6
Xylenes	36.1

Limited Potential to Emit

The table below summarizes the total limited potential to emit of the significant emission units.

Process/ facility	Limited Potential to Emit (tons/year)						
	PM	PM-10	SO ₂	VOC	CO	NO _x	HAPs
All ovens	---	---	---	less than 250	---	---	---
Total Emissions	---	---	---	less than 250	---	---	---

County Attainment Status

The source is located in Tippecanoe County.

Pollutant	Status
PM-10	attainment
SO ₂	attainment
NO ₂	attainment
Ozone	attainment
CO	attainment
Lead	attainment

Volatile organic compounds (VOC) and oxides of nitrogen NO_x are precursors for the formation of ozone. Therefore, VOC and NO_x emissions are considered when evaluating the rule applicability relating to the ozone standards. Tippecanoe County has been designated as attainment or unclassifiable for ozone.

Part 70 Permit Conditions

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

- (a) Emission limitations and standards, including those operational requirements and limitations that assure compliance with all applicable requirements at the time of issuance of Part 70 permits.
- (b) Monitoring and related record keeping requirements which assume that all reasonable information is provided to evaluate continuous compliance with the applicable requirements.

Federal Rule Applicability

- (a) There are no New Source Performance Standards (326 IAC 12), 40 CFR Part 60 applicable to this source.
- (b) There are no National Emission Standards for Hazardous Air Pollutants (NESHAP) 40 CFR Part 63 applicable to this source.

State Rule Applicability - Entire Source

326 IAC 2-2 (Prevention of Significant Deterioration)

The total source potential to emit of VOC are less than 250 tons per year. Therefore, the requirements of 326 IAC 2-2 and 40 CFR 52.21 will 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 one hundred (100) tons per year of VOC, CO and NO_x. 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 July 1 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 5-1 (Visible Emissions Limitations)

Pursuant to 326 IAC 5-1-2 (Visible Emissions Limitations), except as provided in 326 IAC 5-1-3 (Temporary Exemptions), visible emissions shall meet the following, unless otherwise stated in this permit:

- (a) Visible emissions shall not exceed an average of forty percent (40%) opacity in twenty-four (24) consecutive readings as determined by 326 IAC 5-1-4,
- (b) Visible emissions shall not exceed sixty percent (60%) opacity for more than a cumulative total of fifteen (15) minutes (sixty (60) readings) in a six (6) hour period.

Individual Facility Applicability - Ovens: 301-308, 309-316, 317-322, 323-328, 329-334, 335-340, 451-453, 454-456, 461-463, 464-466, 475, 476, 479, 480, 601-612, 613-624, 669-680

326 IAC 8-2-8 (Magnet Wire Coating Operations)

Pursuant to 326 IAC 8-2-8 (Magnet Wire Coating Operations), the volatile organic compound (VOC) content of electrically insulating varnishes or enamel applied to aluminum or copper wire for use in electrical machinery shall be limited to 1.7 pounds VOC per gallon of coating less water delivered to the applicator.

This limit includes the evaporation of thinners being added to coatings to adjust viscosity, therefore, it is necessary to keep coating and solvent containers covered at all times to prevent solvent evaporation.

Based on calculations (appendix A), the source is in compliance with this rule.

Ovens 301-308, 309-316, 317-322, 323-328, 329-334, 335-340, 451-453, 454-456, 461-463, 464-466, 475, 476, 479, 480, 601-612, 613-624, 669-680 must operate with an overall efficiency of not less than 98.5% at all times when the wire enameling ovens are in operation. This overall efficiency is necessary to ensure that 326 IAC 2-2 and 40 CFR 52.21 do not apply.

Individual Facility Applicability - Ovens: 361-362, 363-364, 365-366, 367-368, 369-370, 371-372, 373-374, 375-376, 377-378, 379-380, 381-382, 383-384, 401-404, 429-432, 433-436, 437-440, 441-444, 625-628, 629-632, 633-638, 639-644, 645-650, 651-656, 657-668

326 IAC 8 Volatile Organic Compounds

Potential emissions are less than 25 tons per year. Therefore, 326 IAC 8-2-8 will not apply. Any change or modification which may increase the potential emissions to 25 tons per year or more of volatile organic compounds must be approved by the office of Air Management before any such change may occur.

This limit includes the evaporation of thinners being added to coatings to adjust viscosity, therefore, it is necessary to keep coating and solvent containers covered at all times to prevent solvent evaporation.

Ovens 361-362, 363-364, 365-366, 367-368, 369-370, 371-372, 373-374, 375-376, 377-378, 379-380, 381-382 and 383-384 must operate with an overall efficiency of not less than 87.5% at all times when the wire enameling ovens are in operation. This overall efficiency is necessary to ensure that 326 IAC 8-2-8, 326 IAC 2-2 and 40 CFR 52.21 do not apply.

Ovens 401-404, 429-432, 433-436, 437-440, 441-444, 625-628, 629-632, 633-638, 639-644, 645-650, 651-656, 657-668 must operate with an overall efficiency of not less than 98.5% at all times when the wire enameling ovens are in operation. This overall efficiency is necessary to ensure that 326 IAC 8-2-8, 326 IAC 2-2 and 40 CFR 52.21 do not apply.

Individual Facility Applicability - Ovens: 595-600, 681-696, 701-702, 703-704, 705-706, 707-708, 709-710, 711-712, 713-714, 715-716, 725-726, 727- 728, 729-730, 731-732, 733-734, 735-736, 737-738, 739-740, 741, 742, 743, 744, 745, 746, 747, 748, 801-808, 809-816, 817-824, 825-832, 833, 834, 835, 836, 837, 838, 839, 840

326 IAC 8 Volatile Organic Compounds

Potential emissions are less than 15 pounds per day. Therefore, 326 IAC 8-2-8 will not apply. Any change or modification which may increase the potential emissions to 15 pounds per day or more of volatile organic compounds must be approved by the office of Air Management before any such change may occur.

This limit includes the evaporation of thinners being added to coatings to adjust viscosity, therefore, it is necessary to keep coating and solvent containers covered at all times to prevent solvent evaporation.

Ovens 595-600, 681-696, 701-702, 703-704, 705-706, 707-708, 709-710, 711-712, 713-714, 715-716, 741, 742, 743, 744, 745, 746, 747, 748, 801-808, 809-816, 817-824, 825-832, 833, 834, 835, 836, 837, 838, 839, 840 must operate with an overall efficiency of not less than 98.5% at all times when the wire enameling ovens are in operation. This overall efficiency is necessary to ensure that 326 IAC 8-2-8, 326 IAC 2-2 and 40 CFR 52.21 do not apply.

Ovens 725-726, 727- 728, 729-730, 731-732, 733-734, 735-736, 737-738, 739-740, must operate with an overall efficiency of not less than 97.5% at all times when the wire enameling ovens are in operation. This overall efficiency is necessary to ensure that 326 IAC 8-2-8, 326 IAC 2-2 and 40 CFR 52.21 do not apply

State Rule Applicability - Ovens 417-418, 421-424, 425-428

These ovens were constructed prior to 1980, therefore there are no applicable requirements for these facilities other than those listed in Sections B and C of the Title V permit.

State Rule Applicability - Insignificant Activities

326 IAC 6-3-2 (Process Operations)

Pursuant to 326 IAC 6-3-2, the particulate matter (PM) from the insignificant brazing, soldering and welding equipment and the cutting torches shall be limited by the following:

Interpolation and extrapolation 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:

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

Compliance Requirements

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

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

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

3. Wire coating ovens 301-308, 309-316, 317-322, 323-328, 329-334, 335-340, 401-404, 429-432, 433-436, 437-440, 441-444, 451-453, 454-456, 461-463, 464-466, 475, 476, 479, 480, 595-600, 601-612, 613-624, 625-628, 629-632, 633-638, 639-644, 645-650, 657-668, 669-680, 681-696, 701-701-703-704, 705-706, 707-708, 709-710, 711-712, 713-714, 715-716, 725-726, 727- 728, 729-730, 731-732, 733-734, 735-736, 737-738, 739-740, 741, 742, 743, 744, 745, 746, 747, 748, 801-808, 809-816, 817-824, 825-832, 833, 834, 835, 836, 837, 838, 839, and 840 have applicable compliance monitoring conditions as specified below:

Compliance with the minimum temperature will be monitored by computer collected data generated continuously. Eight-hour average temperatures will be made available to IDEM upon request and one-hour temperature records will be made available within five business days from request. The temperatures will be reported based on an eight-hour average. The ovens shall operate with a five (5) degree buffer such that if the eight-hour average temperature falls within five (5) degrees of the minimum required temperature, corrective action shall be performed and one-hour temperatures shall be investigated to determine if any temperature fell below the actual minimum temperature. If during specific hours the temperature is less than the established minimum temperature, this will be considered noncompliance.

2. Wire coating ovens 361-362, 363-364, 365-366, 367-368, 369-370, 371-372, 373-374, 375-376, 377-378, 379-380, 381-382, and 383-384 have applicable compliance monitoring conditions as specified below:

The catalysts will be replaced once every six months to ensure the catalytic oxidizer is achieving the required overall efficiency.

These monitoring conditions are necessary to ensure compliance 326 IAC 2-7 (Part 70).

Air Toxic Emissions

Indiana presently requests applicants to provide information on emissions of the 187 hazardous air pollutants set out in the Clean Air Act Amendments of 1990. These pollutants are either carcinogenic or otherwise considered toxic and are commonly used by industries. They are listed as air toxics on the Office of Air Management (OAM) Part 70 Application Form GSD-08.

This source will emit levels of air toxics greater than those that constitute major source applicability according to Section 112 of the Clean Air Act.

Conclusion

The operation of this wire coating source shall be subject to the conditions of the attached proposed Part 70 Permit No. T157-6960-00032.

Indiana Department of Environmental Management Office of Air Management

Addendum to the Technical Support Document for Part 70 Operating Permit

Source Name: Rea Magnet Wire Company
Source Location: 2800 Concord Road, Lafayette, IN 47905
County: Tippecanoe
SIC Code: 3357
Operation Permit No.: T157-6960-00032
Permit Reviewer: Karen Purtell

On July 24, 1998, the Office of Air Management (OAM) had a notice published in the Journal & Courier, in Lafayette, Indiana, stating that Rea Magnet Wire Company., had applied for a Part 70 Operating Permit to operate a magnet wire coating process. The notice also stated that OAM proposed to issue a permit for this operation and provided information on how the public could review the proposed permit and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not this permit should be issued as proposed.

On August 21, 1998, Rea Magnet Wire Company, submitted comments on the proposed Part 70 permit. The summary of the comments is as follows:

Comment 1:

IDEM should change Condition A.1 to reflect that the source is not a major source under PSD.

Response to Comment 1:

Condition A.1 has been changed to reflect that the source is a not a major source under PSD.

Comment 2:

IDEM should delete Condition B.27 relating to Credible Evidence. No Indiana regulation authorizes this provision. Moreover, the permit and the applicable regulations specifically identify how compliance with the underlying limits will be determined.

Response to Comment 2:

IDEM now believes that this condition is not necessary and has removed it from the permit. The issues regarding credible evidence can be adequately addressed during a showing of compliance or noncompliance. Indiana's statutes, and the rules adopted under the authority, govern the admissibility of evidence in any proceeding. Indiana law contains no provisions that limit the use of any credible evidence and an explicit statement is not required in the permit.

~~B.27 Credible Evidence [326 IAC 2-7-5(3)] [62 Federal Register 8313] [326 IAC 2-7-6]~~

~~Notwithstanding the conditions of this permit that state specific methods that may be used to assess compliance or noncompliance with applicable requirements, other credible evidence may be used to demonstrate compliance or noncompliance.~~

Comment 3:

IDEM should either delete Condition C.1(b) relating to changes that trigger PSD or should change it to accurately reflect the legal requirements.

Response to Comment 3:

IDEM has deleted Condition C.1 in its entirety from the permit.

Comment 4:

IDEM should delete Condition D_.1(b) relating to keeping coating and solvent containers covered, or alternatively, should modify the condition to impose a duty of reasonable effort.

No regulation authorizes this condition. Nowhere in the Indiana regulations is there a rule that states that the limit includes the evaporation of thinners being added to coatings to adjust viscosity, and nowhere is there a statement that it is necessary to keep coating and solvent containers covered at all times to prevent solvent evaporation.

If should choose to include a requirement of this type in the permit. Rea Magnet requests that IDEM's requirement only impose a reasonable effort to keep such containers covered. If IDEM chooses this alternative, Rea Magnet requests that Condition D_.1(b) state the following:

(b) Permittee shall make reasonable efforts to keep coating and solvent containers covered.

Response to Comment 4:

The OAM believes the language in the permit is clear. It is necessary to keep coating and solvent containers covered at all times to prevent evaporation. The potential emissions from the source were based on the assumption of total capture of VOCs from the source. The condition will not be changed.

Comment 5:

IDEM should delete the reference to the integral internal thermal oxidizers in Condition D.2.3(c) for the GEM and GEI ovens.

Actually, the referenced ovens will rely only on the add-on thermal incinerators for the necessary destruction efficiency and the temperatures will be monitored in the add-on thermal incinerators.

Response to Comment 5:

The reference to the integral internal thermal oxidizers in Condition D.2.3(c) for the GEM and GEI ovens has been deleted from the final permit.

Comment 6:

IDEM should delete Condition D._.5(b) which relates to repeating tests once every five years. Throughout the permit, Conditions D._.5(b) state that tests shall be repeated once every five years. However, according to Condition B.3, the permit is issued for only five years. Rea Magnet believes it is inappropriate to impose testing for periods outside the permit term. Moreover, five years from now IDEM may believe more testing is required, or less testing is required and therefore as a practical manner, the requirement does not fit.

Response to Comment 6:

The OAM has removed the requirement to repeat testing once every five (5) years from all D sections.

~~D._.5 Testing Requirements [326 IAC 2-7-6(1), (6)]~~

~~(b) This test shall be repeated at least once every five (5) years from the date of this valid compliance demonstration.~~

Comment 7:

IDEM should delete the table of Actual Emissions on page 8 of 12 in the Technical Support Document and replace it with a statement that a certified emission statement is on file.

Response to Comment 7:

The OAM prefers that the Technical Support Document reflect the permit that was on public notice. Changes to the permit or technical support material that occur after the public notice are documented in this Addendum to the Technical Support Document. This accomplishes the desired result of ensuring these types of concerns are documented and part of the record regarding this permit decision.

The data used to complete the table of Actual Emissions was taken from the latest available data submitted by the Source to the OAM. There have been no changes resulting from this comment.

Upon further review, OAM has made the following changes to the final Part 70 permit.

1. Condition D.14.3(a) has been changed to included ovens 817-824 and 825-832.