



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

TO: Interested Parties / Applicant

DATE: July 27, 2011

RE: Quality Coatings, Inc. / 173-30373-00027

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

Notice of Decision: Approval - Effective Immediately

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

If you wish to challenge this decision, IC 4-21.5-3 and IC 13-15-6-1 require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Suite N 501E, Indianapolis, IN 46204, **within eighteen (18) calendar days of the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

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

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

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

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

Enclosures
FNPER.dot12/03/07



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Minor Source Operating Permit Renewal OFFICE OF AIR QUALITY

Quality Coatings, Inc.
1700 N. State Street
Chandler, Indiana 47610

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

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 MSOP under 326 IAC 2-6.1.

Operation Permit No.: M173-30373-00027	
Issued by:  Iryn Calilung, Section Chief Permits Branch Office of Air Quality	Issuance Date: July 27, 2011 Expiration Date: July 27, 2021

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SECTION A SOURCE SUMMARY

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

A.1 General Information [326 IAC 2-5.1-3(c)][326 IAC 2-6.1-4(a)]

The Permittee owns and operates a stationary paint manufacturing facility.

Source Address:	1700 N. State Street, Chandler, Indiana 47610
General Source Phone Number:	812-925-3314
SIC Code:	2851
County Location:	Warrick
Source Location Status:	Nonattainment for PM2.5 standard Attainment for all other criteria pollutants
Source Status:	Minor Source Operating Permit Program Minor Source, under PSD and Emission Offset Rules Minor Source, Section 112 of the Clean Air Act 1 of 28 Source Categories

A.2 Emission Units and Pollution Control Equipment Summary

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

- (a) One (1) natural gas fired boiler, identified as B-1, constructed in April 1995, with a Maximum Design Rate (MDR) capacity of 1.45 MMBtu/hr.
- (b) One (1) paint manufacturing operation, identified as PM-1, constructed in April 1995, with a Maximum Design Rate (MDR) capacity of 493 lb/hr of paint produced.
- (c) One (1) testing spray booth, identified as TB-1, constructed in April 1995, used to coat metals, plastics and wood, with a Maximum Design Rate (MDR) capacity of 0.13 ton/yr of paint used and less than 5 gallons per day of coating.

SECTION B GENERAL CONDITIONS

B.1 Definitions [326 IAC 2-1.1-1]

Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, the applicable definitions found in the statutes or regulations (IC 13-11, 326 IAC 1-2 and 326 IAC 2-1.1-1) shall prevail.

B.2 Permit Term [326 IAC 2-6.1-7(a)][326 IAC 2-1.1-9.5][IC 13-15-3-6(a)]

-
- (a) This permit, M173-30373-00027, is issued for a fixed term of ten (10) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, until the renewal permit has been issued or denied.

B.3 Term of Conditions [326 IAC 2-1.1-9.5]

Notwithstanding the permit term of a permit to construct, a permit to operate, or a permit modification, any condition established in a permit issued pursuant to a permitting program approved in the state implementation plan shall remain in effect until:

- (a) the condition is modified in a subsequent permit action pursuant to Title I of the Clean Air Act; or
- (b) the emission unit to which the condition pertains permanently ceases operation.

B.4 Enforceability

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

B.5 Severability

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

B.6 Property Rights or Exclusive Privilege

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

B.7 Duty to Provide Information

-
- (a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.
- (b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

B.8 Annual Notification [326 IAC 2-6.1-5(a)(5)]

- (a) An annual notification shall be submitted by an authorized individual to the Office of Air Quality stating whether or not the source is in operation and in compliance with the terms and conditions contained in this permit.
- (b) The annual notice shall be submitted in the format attached no later than March 1 of each year to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
- (c) The notification shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

B.9 Preventive Maintenance Plan [326 IAC 1-6-3]

- (a) A Preventive Maintenance Plan meets the requirements of 326 IAC 1-6-3 if it includes, at a minimum:
 - (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
 - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
 - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

The Permittee shall implement the PMPs.
- (b) If required by specific condition(s) in Section D of this permit where no PMP was previously required, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) no later than ninety (90) days after issuance of this permit or ninety (90) days after initial start-up, whichever is later, including the following information on each facility:
 - (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
 - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
 - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

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

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality

100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

The Permittee shall implement the PMPs.

- (c) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions.
- (d) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

B.10 Prior Permits Superseded [326 IAC 2-1.1-9.5]

- (a) All terms and conditions of permits established prior to M173-30373 and issued pursuant to permitting programs approved into the state implementation plan have been either:
 - (1) incorporated as originally stated,
 - (2) revised, or
 - (3) deleted.
- (b) All previous registrations and permits are superseded by this permit.

B.11 Termination of Right to Operate [326 IAC 2-6.1-7(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 one hundred twenty (120) days prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-6.1-7.

B.12 Permit Renewal [326 IAC 2-6.1-7]

- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-6.1-7. Such information shall be included in the application for each emission unit at this source. The renewal application does require an affirmation that the statements in the application are true and complete by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Request for renewal shall be submitted to:

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

- (b) A timely renewal application is one that is:
 - (1) Submitted at least one hundred twenty (120) days prior to the date of the expiration of this permit; and
 - (2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the

document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

- (c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-6.1 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified, pursuant to 326 IAC 2-6.1-4(b), in writing by IDEM, OAQ any additional information identified as being needed to process the application.

B.13 Permit Amendment or Revision [326 IAC 2-5.1-3(e)(3)][326 IAC 2-6.1-6]

- (a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-6.1-6 whenever the Permittee seeks to amend or modify this permit.

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

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

- (c) The Permittee shall notify the OAQ no later than thirty (30) calendar days of implementing a notice-only change. [326 IAC 2-6.1-6(d)]

B.14 Source Modification Requirement

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

**B.15 Inspection and Entry
[326 IAC 2-5.1-3(e)(4)(B)][326 IAC 2-6.1-5(a)(4)][IC 13-14-2-2][IC 13-17-3-2][IC 13-30-3-1]**

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

- (a) Enter upon the Permittee's premises where a permitted source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- (c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- (d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and

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

B.16 Transfer of Ownership or Operational Control [326 IAC 2-6.1-6]

- (a) The Permittee must comply with the requirements of 326 IAC 2-6.1-6 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.
- (b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

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

The application which shall be submitted by the Permittee does require an affirmation that the statements in the application are true and complete by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (c) The Permittee may implement notice-only changes addressed in the request for a notice-only change immediately upon submittal of the request. [326 IAC 2-6.1-6(d)(3)]

B.17 Annual Fee Payment [326 IAC 2-1.1-7]

- (a) The Permittee shall pay annual fees due no later than thirty (30) calendar days of receipt of a bill from IDEM, OAQ,.
- (b) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

B.18 Credible Evidence [326 IAC 1-1-6]

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

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

Emission Limitations and Standards [326 IAC 2-6.1-5(a)(1)]

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

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

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

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

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

C.3 Opacity [326 IAC 5-1]

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

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

C.4 Open Burning [326 IAC 4-1] [IC 13-17-9]

The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1.

C.5 Incineration [326 IAC 4-2] [326 IAC 9-1-2]

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

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

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

C.7 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

- (a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.
- (b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:
- (1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or
- (2) If there is a change in the following:
- (A) Asbestos removal or demolition start date;
- (B) Removal or demolition contractor; or
- (C) Waste disposal site.
- (c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).
- (d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

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

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project.

- (e) Procedures for Asbestos Emission Control
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.

- (f) **Demolition and Renovation**
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).

- (g) **Indiana Licensed Asbestos Inspector**
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Licensed Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Licensed Asbestos inspector is not federally enforceable.

Testing Requirements [326 IAC 2-6.1-5(a)(2)]

C.8 Performance Testing [326 IAC 3-6]

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

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

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

- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date.

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

Compliance Requirements [326 IAC 2-1.1-11]

C.9 Compliance Requirements [326 IAC 2-1.1-11]

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

Compliance Monitoring Requirements [326 IAC 2-6.1-5(a)(2)]

C.10 Compliance Monitoring [326 IAC 2-1.1-11]

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

C.11 Instrument Specifications [326 IAC 2-1.1-11]

- (a) When required by any condition of this permit, an analog instrument used to measure a parameter related to the operation of an air pollution control device shall have a scale such that the expected maximum reading for the normal range shall be no less than twenty percent (20%) of full scale.
- (b) The Permittee may request that the IDEM, OAQ approve the use of an instrument that does not meet the above specifications provided the Permittee can demonstrate that an alternative instrument specification will adequately ensure compliance with permit conditions requiring the measurement of the parameters.

Corrective Actions and Response Steps

C.12 Response to Excursions or Exceedances

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

- (a) The Permittee shall take reasonable response steps to restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing excess emissions.
- (b) The response shall include minimizing the period of any startup, shutdown or malfunction. The response may include, but is not limited to, the following:
 - (1) initial inspection and evaluation;
 - (2) recording that operations returned or are returning to normal without operator action (such as through response by a computerized distribution control system);
or
 - (3) any necessary follow-up actions to return operation to normal or usual manner of operation.
- (c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:
 - (1) monitoring results;
 - (2) review of operation and maintenance procedures and records; and/or
 - (3) inspection of the control device, associated capture system, and the process.
- (d) Failure to take reasonable response steps shall be considered a deviation from the permit.

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

C.13 Actions Related to Noncompliance Demonstrated by a Stack Test

- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall submit a description of its response actions to IDEM, OAQ, no later than seventy-five (75) days after the date of the test.
- (b) A retest to demonstrate compliance shall be performed no later than one hundred eighty (180) days after the date of the test. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred eighty (180) days is not practicable, IDEM, OAQ may extend the retesting deadline
- (c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

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

C.14 Malfunctions Report [326 IAC 1-6-2]

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

- (a) A record of all malfunctions, including startups or shutdowns of any facility or emission control equipment, which result in violations of applicable air pollution control regulations or applicable emission limitations shall be kept and retained for a period of three (3) years and shall be made available to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) or appointed representative upon request.
- (b) When a malfunction of any facility or emission control equipment occurs which lasts more than one (1) hour, said condition shall be reported to OAQ, using the Malfunction Report Forms (2 pages). Notification shall be made by telephone or facsimile, as soon as practicable, but in no event later than four (4) daytime business hours after the beginning of said occurrence.
- (c) Failure to report a malfunction of any emission control equipment shall constitute a violation of 326 IAC 1-6, and any other applicable rules. Information of the scope and expected duration of the malfunction shall be provided, including the items specified in 326 IAC 1-6-2(a)(1) through (6).
- (d) Malfunction is defined as any sudden, unavoidable failure of any air pollution control equipment, process, or combustion or process equipment to operate in a normal and usual manner. [326 IAC 1-2-39]

C.15 General Record Keeping Requirements [326 IAC 2-6.1-5]

- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.
- (b) Unless otherwise specified in this permit, for all record keeping requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of

permit issuance or the date of initial start-up, whichever is later, to begin such record keeping.

C.16 General Reporting Requirements [326 IAC 2-1.1-11] [326 IAC 2-6.1-2] [IC 13-14-1-13]

- (a) Reports required by conditions in Section D of this permit shall be submitted to:
- Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
- (b) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (c) Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

- (a) One (1) natural gas fired boiler, identified as B-1, constructed in April 1995, with a Maximum Design Rate (MDR) capacity of 1.45 MMBtu/hr.
- (b) One (1) paint manufacturing operation, identified as PM-1, constructed in April 1995, with a Maximum Design Rate (MDR) capacity of 493 lb/hr of paint produced.
- (c) One (1) testing spray booth, identified as TB-1, constructed in April 1995, used to coat metals, plastics and wood, with a Maximum Design Rate (MDR) capacity of 0.13 ton/yr of paint used and less than 5 gallons per day of coating.

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

Emission Limitations and Standards [326 IAC 2-6.1-5(a)(1)]

D.1.1 Volatile Organic Compounds (VOCs) [326 IAC 8-1-6]

In order to render 326 IAC 8-1-6 not applicable, the Permittee shall comply with the following:

- (a) The solvent usage in the paint manufacturing operation shall not exceed 1245 tons of solvent per twelve (12) consecutive month period with compliance determined at the end of each month.
- (b) The VOC emissions from the paint operation shall not exceed 40 lbs of VOC per ton of solvent used.

Compliance with these limits shall limit the paint manufacturing operation potential to emit of VOC to less than twenty five (25) tons per twelve (12) consecutive month period, and shall render the requirements of best available control technology (BACT) in 326 IAC 8-1-6 (New Facilities: General Reduction Requirements) not applicable.

D.1.2 Particulate Emission Limitations [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2,(e)(2) the particulate emission from the paint manufacturing operation shall not exceed five hundred fifty-one thousandths (0.551) pounds per hour.

D.1.3 Particulate [326 IAC 6-2-4]

Pursuant to 326 IAC 6-2-4 (Particulate Emission Limitations for Sources of Indirect Heating) the PM emissions from the 1.45 MMBtu per hour heat input boiler, identified as B-1, shall not exceed 0.6 lbs/MMBtu.

Compliance Determination Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.1.4 Volatile Organic Compounds (VOC)

Compliance with the VOC content and 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) by preparing or obtaining from the manufacturer the copies of the "as supplied" and "as applied" VOC data sheets. IDEM, OAQ, reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.

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

D.1.5 Record Keeping Requirements

- (a) To document the compliance status with Condition D.1.1, the Permittee shall maintain records in accordance with (1) through (4) below. Records maintained for (1) through (4) shall be taken monthly and shall be complete and sufficient to establish compliance with the VOC usage limits and/or the VOC emission limits established in Condition D.1.1. Records necessary to demonstrate compliance shall be available within 30 days of the end of each compliance period.
- (1) The amount and VOC content of each coating material and solvent used. Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used. Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvents;
 - (2) The volume weighted VOC content of the coatings used for each month;
 - (3) The total VOC usage for each month; and
 - (4) The weight of VOCs emitted for each compliance period.
- (b) Section C - General Record Keeping Requirements of this permit contains the Permittee's obligations with regard to the records required by this condition.

D.1.6 Reporting Requirements

A quarterly summary of the information to document the compliance status with Condition D.1.1 shall be submitted not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. The report submitted by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1.

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

**MINOR SOURCE OPERATING PERMIT
ANNUAL NOTIFICATION**

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

Company Name:	Quality Coatings, Inc.
Address:	1700 N. State Street
City:	Chandler, Indiana 47610
Phone #:	812-925-3314
MSOP #:	M173-30373-00027

I hereby certify that Quality Coatings, Inc. is :

still in operation.

I hereby certify that Quality Coatings, Inc. is :

no longer in operation.

in compliance with the requirements of MSOP M173-30373-00027.

not in compliance with the requirements of MSOP M173-30373-00027.

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

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

Noncompliance:

MALFUNCTION REPORT
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
FAX NUMBER: (317) 233-6865

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

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

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

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

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

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

DATE/TIME MALFUNCTION STARTED: ____/____/20____ _____ AM / PM

ESTIMATED HOURS OF OPERATION WITH MALFUNCTION CONDITION: _____

DATE/TIME CONTROL EQUIPMENT BACK-IN SERVICE ____/____/20____ _____ AM/PM

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

ESTIMATED AMOUNT OF POLLUTANT EMITTED DURING MALFUNCTION: _____

MEASURES TAKEN TO MINIMIZE EMISSIONS: _____

REASONS WHY FACILITY CANNOT BE SHUTDOWN DURING REPAIRS:

CONTINUED OPERATION REQUIRED TO PROVIDE ESSENTIAL* SERVICES: _____

CONTINUED OPERATION NECESSARY TO PREVENT INJURY TO PERSONS: _____

CONTINUED OPERATION NECESSARY TO PREVENT SEVERE DAMAGE TO EQUIPMENT: _____

INTERIM CONTROL MEASURES: (IF APPLICABLE) _____

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

MALFUNCTION RECORDED BY: _____ DATE: _____ TIME: _____

*SEE PAGE 2

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

326 IAC 1-6-1 Applicability of rule

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

326 IAC 1-2-39 "Malfunction" definition

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

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

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

Indiana Department of Environmental Management Office of Air Quality Compliance and Enforcement Branch

Quarterly Report

Source Name: Quality Coatings, Inc.
Source Address: 1700 N. State Street, Chandler, Indiana 47610
Permit No.: MSOP 173-30373-00027
Facility: Paint Manufacturing Operation
Parameter: Paint Manufactured
Limit: Solvent usage shall not exceed 1245 tons of solvent per twelve (12) consecutive month period with compliance demonstrated at the end of each month.
The VOC emissions from the paint operation shall not exceed 40 lbs of VOC per ton of solvent used.

YEAR:

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

No deviation occurred in this quarter.

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

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

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

Addendum to the Technical Support Document (ATSD) for a
MSOP Renewal

Source Background and Description

Source Name:	Quality Coatings, Inc.
Source Location:	1700 N. State Street, Chandler, Indiana 47610
County:	Warrick
SIC Code:	2851
Operation Permit No.:	M173-30373-00027
Permit Reviewer:	Janet Mobley

On June 23, 2011, the Office of Air Quality (OAQ) had a notice published in the Boonville Standard, Boonville, Indiana, stating that Quality Coatings, Inc. had applied for a MSOP Renewal to continue operations at their paint manufacturing operation. The notice also stated that the OAQ proposed to issue a MSOP Renewal 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.

Comments and Responses

No comments were received during the public notice period.

Additional Changes

Pursuant to 326 IAC 2-7-1(39), starting July 1, 2011, greenhouse gases (GHGs) emissions are subject to regulation at a source with a potential to emit 100,000 tons per year or more of CO₂ equivalent emissions (CO₂e). Therefore, CO₂e emissions have been calculated for this source. Based on the calculations the unlimited potential to emit greenhouse gases from the entire source is less than 100,000 tons of CO₂e per year (see ATSD Appendix A for detailed calculations). This did not require any changes to the permit.

The Technical Support Document (TSD) is used by IDEM, OAQ for historical purposes. IDEM, OAQ does not make any changes to the original TSD, but the Permit will have the updated changes. The comments and revised permit language are provided below with deleted language as ~~strikeouts~~ and new language **bolded**.

IDEM Contact

- (a) Questions regarding this proposed MSOP Renewal can be directed to Janet Mobley at the Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251 or by telephone at (317) 234-5373 or toll free at 1-800-451-6027 extension 4-5373.
- (b) A copy of the permit is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>

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

**Appendix A: Emission Calculations
Emissions Summary**

**Company Name: Quality Coatings, Inc.
Address: 1700 N. State Street, Chandler, Indiana 47610
MSOP Renewal No.: 173-30373-00027
Reviewer: Janet Mobley**

Units	Uncontrolled Potential emissions (tons/year)									Single Hap
	PM	PM10	PM2.5	SO ₂	NO _x	VOC	CO	GHGs as CO ₂ e	Total HAPs	
Industrial Boiler, B-1	0.01	0.05	0.05	0.00	0.64	0.04	0.53	766.76	0.0114 (Hexane)	0.01
Paint Manufacturing, PM-1	1.08	1.08	1.08	0.00	0.00	32.43	0.00	0.00		
Test Spray Booth, TB-1	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.67 (Toluene)	1.29
Total	1.09	1.13	1.13	0.00	0.64	32.49	0.53	766.76	0.68	1.30

Units	Controlled Potential emissions (tons/year)									Single Hap
	PM	PM10	PM2.5	SO ₂	NO _x	VOC	CO	GHGs as CO ₂ e	Total HAPs	
Industrial Boiler, B-1	0.01	0.05	0.05	0.00	0.64	0.04	0.53	766.76	0.0114 (Hexane)	0.01
Paint Manufacturing, PM-1	1.08	1.08	1.08	0.00	0.00	24.90	0.00	0.00		
Test Spray Booth, TB-1	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.67 (Toluene)	1.29
Total	1.09	1.13	1.13	0.00	0.64	24.96	0.53	766.76	0.68	1.30

PM10=PM2.5

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

**Company Name: Quality Coatings, Inc.
Address City IN Zip: 1700 N. State Street, Chandler, Indiana 47610
Permit Number: 173-30373-00027
Reviewer: Janet Mobley**

Heat Input Capacity MMBtu/hr	HHV mmBtu mmscf	Potential Throughput MMCF/yr
1.5	1000	12.7

Emission Factor in lb/MMCF	Pollutant					
	PM*	PM10*	SO2	NOx	VOC	CO
	1.9	7.6	0.6	100 **see below	5.5	84
Potential Emission in tons/yr	0.01	0.05	0.00	0.64	0.03	0.53

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

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

Methodology

All emission factors are based on normal firing.

MMBtu = 1,000,000 Btu

MMCF = 1,000,000 Cubic Feet of Gas

Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03

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

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

See page 2 for HAPs emissions calculations.

updated 12/10

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

**Company Name: Quality Coatings, Inc.
 Address City IN Zip: 1700 N. State Street, Chandler, Indiana 47610
 Permit Number: 173-30373-00027
 Reviewer: Janet Mobley**

HAPs - Organics					
Emission Factor in lb/MMcf	Benzene 2.1E-03	Dichlorobenzene 1.2E-03	Formaldehyde 7.5E-02	Hexane 1.8E+00	Toluene 3.4E-03
Potential Emission in tons/yr	1.334E-05	7.621E-06	4.763E-04	1.143E-02	2.159E-05

HAPs - Metals					
Emission Factor in lb/MMcf	Lead 5.0E-04	Cadmium 1.1E-03	Chromium 1.4E-03	Manganese 3.8E-04	Nickel 2.1E-03
Potential Emission in tons/yr	3.176E-06	6.986E-06	8.891E-06	2.413E-06	1.334E-05

Methodology is the same as page 1.

The five highest organic and metal HAPs emission factors are provided above.
 Additional HAPs emission factors are available in AP-42, Chapter 1.4.
 See next page for Greenhouse Gas calculations.

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

**Company Name: Quality Coatings, Inc.
 Address City IN Zip: 1700 N. State Street, Chandler, Indiana 47610
 Permit Number: 173-30373-00027
 Reviewer: Janet Mobley**

	Greenhouse Gas		
	CO2	CH4	N2O
Emission Factor in lb/MMcf	120000	2.3	2.2
Potential Emission in tons/yr	762.12	0.0146073	0.0139722
Summed Potential Emissions in tons/yr	762.15		
CO2e Total in tons/yr	766.76		

Methodology

The N2O Emission Factor for uncontrolled is 2.2. The N2O Emission Factor for low Nox burner is 0.64.
 Emission Factors are from AP 42, Table 1.4-2 SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03.
 Greenhouse Warming Potentials (GWP) from Table A-1 of 40 CFR Part 98 Subpart A.
 Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton
 CO2e (tons/yr) = CO2 Potential Emission ton/yr x CO2 GWP (1) + CH4 Potential Emission ton/yr x CH4 GWP (21) + N2O Potential Emission ton/yr x N2O GWP (310).

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

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

Source Background and Description

Source Name:	Quality Coatings, Inc.
Source Location:	1700 N. State Street, Chandler, Indiana 47610
County:	Warrick
SIC Code:	2851
Permit Renewal No.:	M173-30373-00027
Permit Reviewer:	Janet Mobley

The Office of Air Quality (OAQ) has reviewed the operating permit renewal application from Quality Coatings, Inc. relating to the operation of a paint manufacturing facility. On March 25, 2011, Quality Coatings, Inc. submitted an application to the OAQ requesting to renew its operating permit. Quality Coatings, Inc. was issued a MSOP (M173-20481-00027) on August 10, 2006.

This source does not manufacture paints containing benzene, methylene chloride and compounds of cadmium, chromium, lead or nickel.

Permitted Emission Units and Pollution Control Equipment

The source consists of the following permitted emission units:

- (a) One (1) natural gas fired boiler, identified as B-1, constructed in April 1995, with a Maximum Design Rate (MDR) capacity of 1.45 MMBtu/hr.
- (b) One (1) paint manufacturing operation, identified as PM-1, constructed in April 1995, with a Maximum Design Rate (MDR) capacity of 493 lb/hr of paint produced.
- (c) One (1) testing spray booth, identified as TB-1, constructed in April 1995, used to coat metals, plastics and wood, with a Maximum Design Rate (MDR) capacity of 0.13 ton/yr of paint used and less than 5 gallons per day of coating.

Emission Units and Pollution Control Equipment Constructed and/or Operated without a Permit

The source does not have any emission units that were constructed and/or are operating without a permit during this review.

Emission Units and Pollution Control Equipment Removed From the Source

There were no emission units removed from the source since the last review.

Existing Approvals

Since the issuance of the MSOP (173-30373-00027) on August 10, 2006, there have not been any other approvals issued to the source.

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

Enforcement Issue

There are no enforcement actions pending.

Emission Calculations

See Appendix A of this document for detailed emission calculations.

County Attainment Status

The source is located in Warrick County.

Pollutant	Designation
SO ₂	Cannot be classified.
CO	Unclassifiable or attainment effective November 15, 1990.
O ₃	Attainment effective January 30, 2006, for the Evansville area, including Warrick County, for the 8-hour ozone standard. ¹
PM ₁₀	Unclassifiable effective November 15, 1990.
NO ₂	Cannot be classified or better than national standards.
Pb	Not designated.

¹Unclassifiable or attainment effective October 18, 2000, for the 1-hour ozone standard which was revoked effective June 15, 2005.

Basic nonattainment designation effective federally April 5, 2005, for PM_{2.5}.

- (a) **Ozone Standards**
Volatile organic compounds (VOC) and Nitrogen Oxides (NO_x) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NO_x emissions are considered when evaluating the rule applicability relating to ozone. Warrick County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NO_x emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (b) **PM_{2.5}**
U.S. EPA, in the Federal Register Notice 70 FR 943 dated January 5, 2005, has designated Warrick County as nonattainment for PM_{2.5}. On March 7, 2005 the Indiana Attorney General's Office, on behalf of IDEM, filed a lawsuit with the Court of Appeals for the District of Columbia Circuit challenging U.S. EPA's designation of nonattainment areas without sufficient data. However, in order to ensure that sources are not potentially liable for a violation of the Clean Air Act, the OAQ is following the U.S. EPA's New Source Review Rule for PM_{2.5} promulgated on May 8, 2008. These rules became effective on July 15, 2008. Therefore, direct PM_{2.5} and SO₂ emissions were reviewed pursuant to the requirements of Nonattainment New Source Review, 326 IAC 2-1.1-5. See the State Rule Applicability – Entire Source section.
- (c) **Other Criteria Pollutants**
Warrick County has been classified as attainment or unclassifiable in Indiana for all other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

Fugitive Emissions

Based on U.S. EPA applicability determinations, IDEM has determined that this source is a chemical process plant since it operates under Standard Industrial Classification Major Group 28 - Chemicals and Allied Products Establishments. Therefore, in this renewal Section A - General Information and Section C - Overall Source Limit have been updated to reflect that this source is considered one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2, 326 IAC 2-3, or 326 IAC 2-7.

Since this source is classified as a chemical process plant, it is considered one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2, 326 IAC 2-3, or 326 IAC 2-7. Therefore, fugitive emissions are counted toward the determination of PSD, Emission Offset, and Part 70 Permit applicability.

Unrestricted Potential Emissions

Appendix A of this TSD reflects the unrestricted potential emissions of the source.

- (a) The potential to emit (as defined in 326 IAC 2-7-1(29)) of all regulated pollutants is less than 100 tons per year. However, VOC is equal to or greater than twenty-five (25) tons per year. The source is not subject to the provisions of 326 IAC 2-7. Therefore, the source will be issued an MSOP Renewal.
- (b) The potential to emit (as defined in 326 IAC 2-7-1(29)) of any single HAP is less than ten (10) tons per year and/or the potential to emit (as defined in 326 IAC 2-7-1(29)) of a combination of HAPs is less than twenty-five (25) tons per year. Therefore, the source will be issued an MSOP Renewal.

Potential to Emit After Issuance

The table below summarizes the potential to emit, reflecting all limits of the emission units. Any control equipment is considered enforceable only after issuance of this MSOP and only to the extent that the effect of the control equipment is made practically enforceable in the permit.

Process/ Emission Unit	Potential To Emit of the Entire Source After Issuance of Renewal (tons/year)								
	PM	PM10*	PM2.5	SO ₂	NO _x	VOC	CO	Total HAPs	Worst Single HAP
Industrial Boiler, B-1	0.01	0.05	0.05	0.00	0.64	0.04	0.53	0.01	0.0114 (Hexane)
Paint Manufacturing, PM-1	1.08	1.08	1.08	0.00	0.00	32.43**	0.00		
Test Spray Booth, TB-1	0.00	0.00	0.00	0.00	0.00	0.02	0.00	1.29	0.67 (Toluene)
Total PTE of Entire Source	1.09	1.13	1.13	0.00	0.64	32.49	0.53	1.30	0.00
Title V Major Source Thresholds	NA	100	100	100	100	100	100	25	10
PSD Major Source Thresholds	250	250	NA	250	250	250	250	NA	NA
Emission Offset/ Nonattainment NSR Major Source Thresholds	NA	NA	100	NA	NA	NA	NA	NA	NA

Process/ Emission Unit	Potential To Emit of the Entire Source After Issuance of Renewal (tons/year)								
	PM	PM10*	PM2.5	SO ₂	NO _x	VOC	CO	Total HAPs	Worst Single HAP
negl. = negligible *Under the Part 70 Permit program (40 CFR 70), particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers (PM10), not particulate matter (PM), is considered as a "regulated air pollutant". ** VOC emissions will be limited to less than 25 tons/year such that 326 IAC 8-1-6 does not apply.									

- (a) This existing stationary source is not major for PSD because the emissions of each regulated pollutant are less than two hundred fifty (<250) tons per year, and it is not in one of the twenty-eight (28) listed source categories.
- (b) This existing stationary source is not major for Emission Offset because the emissions of the nonattainment pollutant, VOC and NO_x are less than one hundred (<100) tons per year.

Federal Rule Applicability

Compliance Assurance Monitoring (CAM)

- (a) Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is not included in the permit, because the unlimited potential to emit of the source is less than the Title V major source thresholds and the source is not required to obtain a Part 70 or Part 71 permit.

New Source Performance Standards (NSPS)

- (a) There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) included in the permit renewal for this source.
- (b) The source is not subject to the requirements of 40 CFR 60, Subpart EE, New Source Performance Standards for Surface Coating of Metal Furniture, because the source will not coat metal furniture in its facility. Therefore, the requirements of 40 CFR 60, Subpart EE do not apply.
- (c) The requirements of the New Source Performance Standard for Equipment Leaks in Synthetic Organic Chemicals Manufacturing Industry, 40 CFR 60, Subpart VVa (326 IAC 12), are not included in the permit, since the process at this facility is not a synthetic organic chemicals manufacturing industry because it does not produce the chemicals listed in the rule. Therefore, the requirements of 40 CFR 60, Subpart VVa do not apply.
- (d) The requirements of the New Source Performance Standard for VOC Emission from Polymer Manufacturing Industry, 40 CFR 60, Subpart DDD (326 IAC 12), are not included in the permit, since the manufacturing process does not produce nor use polymers. Therefore, the requirements of 40 CFR 60, Subpart DDD do not apply.
- (e) The requirements of the New Source Performance Standard for VOC Emissions from the Synthetic Organic Chemicals Manufacturing Industry - Distillate Process, 40 CFR 60, Subpart NNN (326 IAC 12), are not included in the permit, since the process at this facility is not a synthetic organic chemicals manufacturing industry because it does not produce the chemicals listed in the rule. Therefore, the requirements of 40 CFR 60, Subpart NNN do not apply.
- (f) The requirements of the New Source Performance Standard for VOC Emissions from the Synthetic Organic Chemicals Manufacturing Industry - Reactor Process, 40 CFR 60, Subpart RRR (326 IAC 12), are not included in the permit, since the process at this facility is not a

synthetic organic chemicals manufacturing industry because it does not produce the chemicals listed in the rule. Therefore, the requirements of 40 CFR 60, Subpart RRR do not apply.

National Emission Standards for Hazardous Air Pollutants (NESHAP)

- (a) The requirements of the National Emission Standards for Hazardous Air Pollutants: miscellaneous organic chemical manufacturing, (40 CFR Part 63.2430, Subpart FFFF) is not included in the permit because this source consisting of paint manufacturing operation is not a major source of HAPs. The potential to emit of any combination of HAPs and any single HAP is less than 25 and 10 tons per year, respectively.
- (b) The requirements of the National Emission Standards for Hazardous Air Pollutants for surface coating of miscellaneous metal parts and products (40 CFR Part 63.3880, Subpart MMMM) is not included in the permit because this source consisting of paint manufacturing operation is not a major source of HAPs. The potential to emit of any combination of HAPs and any single HAP is less than 25 and 10 tons per year, respectively.
- (c) The requirements of the National Emission Standards for Hazardous Air Pollutants for surface coating of plastic parts and products, 326 IAC 20 (40 CFR Part 63.4480, Subpart PPPP) is not included in the permit because this source consisting of paint manufacturing operation is not a major source of HAPs. The potential to emit of any combination of HAPs and any single HAP is less than 25 and 10 tons per year, respectively.
- (d) The requirements of the National Emission Standards for Hazardous Air Pollutants for surface coating of wood building products, 326 IAC 20 (40 CFR Part 63.4680, Subpart QQQQ) is not included in the permit because this source consisting of paint manufacturing operation is not a major source of HAPs. The potential to emit of any combination of HAPs and any single HAP is less than 25 and 10 tons per year, respectively.
- (e) The source is not subject to the requirements of 40 CFR 63, Subpart HHHHHH, National Emission Standards for Hazardous Air Pollutants for Miscellaneous Coating Manufacturing, because the source is not a major source of HAPs. Therefore, the requirements of 40 CFR 63 Subpart HHHHHH do not apply.
- (f) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Chemical Manufacturing at Area Source, 40 CFR 63, Subpart VVVVVV (326 IAC 20), are not included in the permit, since the process does not use, generate, or produce any of the chemicals listed in Table 1 of the rule. Therefore, the requirements of 40 CFR 63 Subpart VVVVVV do not apply.
- (g) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Chemical Preparations Industry for Area Sources, 40 CFR 63, Subpart BBBB BBB (326 IAC 20), are not included in the permit, because the materials used at this source do not contain chromium, lead, manganese, and/or nickel. Therefore, the requirements of 40 CFR 63 Subpart BBBB BBB do not apply.
- (h) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Area Sources: Paints and Allied Products Manufacturing, 40 CFR 63, Subpart CCCCCC (326 IAC 20), This NESHAP is applicable to area source paint and allied products manufacturing facilities that processes, uses, or generates any of the target organic or metal HAP (benzene, methylene chloride and compounds of cadmium, chromium, lead or nickel). This source does not process any of the target HAPs, therefore the requirements of 40 CFR 63 Subpart CCCCCC do not apply.
- (i) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Miscellaneous Coating Manufacturing, 40 CFR Part 63, Subpart HHHHH are not included in

the permit. This NESHAP is applicable to coating manufacturers that are major sources of Hazardous Air Pollutants (HAPs). For this source, the potential to emit any single HAP is less than 10 tons per year and the potential to emit total HAPs is less than 25 tons per year. Any change that increases the potential to emit HAPs to greater than these thresholds requires prior approval from IDEM, OAQ.

- (j) There are no National Emission Standards for Hazardous Air Pollutants (NESHAP) (326 IAC 14, 326 IAC 20 and 40 CFR Part 63) included in this permit renewal.

State Rule Applicability - Entire Source

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

This source is not subject to this rule because potential uncontrolled emissions of all criteria pollutants are less than 250 tons per year. This source is one of the twenty-eight (28) listed source categories under 326 IAC 2-2. The potential emissions of all pollutants are less than 100 tons per year, therefore, this source is not a major PSD source. This source is not subject to the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)).

326 IAC 2-3 (Emission Offset)

Warrick County has been designated as nonattainment for the PM_{2.5}. However, since the potential to emit of PM₁₀, are less than 100 tons per year, this source is a minor source under 326 IAC 2-3, Emission Offset.

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

The operation of boiler, paint manufacturing and spray booth will emit less than 10 tons per year of a single HAP or 25 tons per year of a combination of HAPs. Therefore, 326 IAC 2-4.1 does not apply.

326 IAC 2-6 (Emission Reporting)

This source is not subject to 326 IAC 2-6 (Emission Reporting) because it is not required to have an operating permit pursuant to 326 IAC 2-7 (Part 70); it is not located in Lake, Porter, or LaPorte County, and its potential to emit lead is less than 5 tons per year. Therefore, this rule does not apply.

326 IAC 5-1 (Opacity Limitations)

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

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

326 IAC 6.5 PM Limitations Except Lake County

This source is not subject to 326 IAC 6.5 because it is not located in one of the following counties: Clark, Dearborn, Dubois, Howard, Marion, St. Joseph, Vanderburgh, Vigo or Wayne.

326 IAC 6.8 PM Limitations for Lake County

This source is not subject to 326 IAC 6.8 because it is not located in Lake county.

State Rule Applicability – Individual Facilities

Boiler B-1

326 IAC 6-2-4 (Particulate Matter Emission Limitations for Sources of Indirect Heating)

The one (1) natural gas fired boiler rated at 1.45 MMBtu/hr, installed in 1995 is subject to the particulate matter limitations of 326 IAC 6-2-4. Pursuant to 326 IAC 6-2-4 (Particulate Matter Emission Limitations for Sources of Indirect Heating), the PM emissions from the boiler shall be limited to 0.6 lb/MMBtu.

The particulates for the boilers are limited by

$$Pt = 1.09 / (Q)^{0.26}$$

Where Pt = Pounds of particulate matter emitted per million Btu (lb/MMBtu) heat input.

Q = Total source maximum operating capacity rating in million Btu per hour (MMBtu/hr) heat input.

$$Pt = 1.09 / (1.45)^{0.26} = 0.989 \text{ lb/MMBtu}$$

But 326 IAC 6-2-4 states that for boilers constructed after September 21, 1983 and having Q less than 10 MMBtu/hr, Pt shall not exceed 0.60 lb/MMBtu. Hence the particulate limit for boiler is 0.60 lb/MMBtu.

Paint Manufacturing PM-1

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

The particulate emission from the Paint manufacturing operation shall be less than 0.551 pounds per hour.

326 IAC 8-1-6 (General Reduction Requirements)

Pursuant to 326 IAC 8-1-6, new facilities located anywhere in the state that were constructed on or after January 1, 1980, which have a potential to emit (PTE) VOC at 25 tons or more per year, and which are not otherwise regulated by another provision of Article 8, are subject to the requirements of this rule. Potential VOC emissions from the paint manufacturing operation are greater than 25 tons per year. In the previous permit the paint manufactured in the paint manufacturing operation was limited to 1600 tons per year and 5.7 pounds of VOC per hour. In the review of the calculations for this renewal it was determined that the previous limits needed to be changed to assure compliance. Below is the new limit:

The solvent usage in the paint manufacturing operation shall not exceed 1245 tons of solvent per twelve (12) consecutive month period with compliance determined at the end of each month and the VOC emissions from the paint operation shall not exceed 40 lbs of VOC per ton of solvent used. These limits are necessary to limit the PTE VOC to less than twenty five (25) tons per year. Therefore the requirements of 326 IAC 8-1-6 do not apply.

$$\text{VOC emissions} = (1245 \text{ tons/yr}) * (40 \text{ lb/ton}) * (1 \text{ ton}/2000 \text{ lb}) = 24.9 \text{ tons/year}$$

Testing Spray Booth TB-1

326 IAC 6-3-2

The spray booth at the source applies less than five (5) gallons per day of coating. Therefore, the requirements of 326 IAC 6-3 do not apply to this operation.

326 IAC 8-2-9, 326 IAC 8-1-6 and 326 IAC 8-2-12

- (a) When painting metal:
The paint spray booth is not subject to 326 IAC 8-2-9, because this booth is used for testing purposes only with potential emission of VOC less than 15 pounds per day.
- (b) When painting plastic:
The paint spray booth is not subject to 326 IAC 8-1-6, because this booth is used for testing purposes only with potential emission of VOC less than 15 pounds per day.
- (c) When painting wood:
The paint spray booth is not subject to 326 IAC 8-2-12, because this booth is used for testing purposes only with potential emission of VOC less than 15 pounds per day.
- (d) No other Article 8 rules apply to the operation of the source.

Compliance Determination, Monitoring and Testing Requirements

The are no compliance determination, monitoring requirements or testing requirements applicable to this source.

Recommendation

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

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

An application for the purposes of this review was received on March 25, 2011.

Conclusion

The operation of this paint manufacturing facility shall be subject to the conditions of the attached MSOP Renewal No. 173-30373-00027.

IDEM Contact

- (a) Questions regarding this proposed permit can be directed to Janet Mobley at the Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251 or by telephone at (317) 234-5373 or toll free at 1-800-451-6027 extension 4-5373.
- (b) A copy of the findings is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>
- (c) For additional information about air permits and how the public and interested parties can participate, refer to the IDEM's Guide for Citizen Participation and Permit Guide on the Internet at: www.idem.in.gov

Appendix A: Emissions Calculations

SUMMARY

Company Name: Quality Coatings, Inc.
Address City IN Zip: 1700 N. State Street, Chandler, Indiana 47610
Permit Number: 173-30373-00027
Reviewer: Janet Mobley

Potential Emissions (tons/yr)									
	PM	PM 10	PM 2.5	SO2	NOx	VOC	CO	Single HAP	Combined HAPs
Industrial Boiler, B-1	0.01	0.05	0.05	0.00	0.64	0.04	0.53	0.0114 (Hexane)	0.01
Paint Manufacturing, PM-1	1.08	1.08	1.08	0.00	0.00	32.43	0.00		
Test Spray Booth, TB-1	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.67 (Toluene)	1.29
Total	1.09	1.13	1.13	0.00	0.64	32.49	0.53	0.00	1.30

PM=PM10=PM2.5

Limited Emissions (tons/yr)									
	PM	PM 10	PM 2.5	SO2	NOx	VOC	CO	Single HAP	Combined HAPs
Industrial Boiler, B-1	0.01	0.05	0.05	0.00	0.64	0.04	0.53	0.0114 (Hexane)	0.01
Paint Manufacturing, PM-1	1.08	1.08	1.08	0.00	0.00	24.90	0.00		
Test Spray Booth, TB-1	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.67 (Toluene)	1.29
Total	1.09	1.13	1.13	0.00	0.64	24.96	0.53	0.00	1.30

Appendix A: Emissions Calculations

Natural Gas Combustion Only

MM BTU/HR <100

Small Industrial Boiler - B-1

Company Name: Quality Coatings, Inc.

Address City IN Zip: 1700 N. State Street, Chandler, Indiana 47610

Permit Number: 173-30373-00027

Reviewer: Janet Mobley

Emission Unit	Rating (MMBtu/hr)	Potential Throughput MMCF/yr					
		PM*	PM10*	SO2	NOx	VOC	CO
Total Heat Input Capacity (MMBtu/hr)	1.450	12.7					
Emission Factor in lb/MMCF		1.9	7.6	0.6	100.0 **see below	5.5	84.0
Potential Emission in tons/yr		0.012	0.048	0.004	0.635	0.035	0.533

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

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

Methodology

All emission factors are based on normal firing.

MMBtu = 1,000,000 Btu

MMCF = 1,000,000 Cubic Feet of Gas

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

Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03

(SUPPLEMENT D 3/98)

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

See next page for HAPs emissions calculations.

Appendix A: Emissions Calculations

Natural Gas Combustion Only

MM BTU/HR <100

Small Industrial Boiler

HAPs Emissions

Company Name: Quality Coatings, Inc.

Address City IN Zip: 1700 N. State Street, Chandler, Indiana 47610

Permit Number: 173-30373-00027

Reviewer: Janet Mobley

HAPs - Organics					
	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene
Emission Factor in lb/MMcf	2.1E-03	1.2E-03	7.5E-02	1.8E+00	3.4E-03
Potential Emission in tons/yr	1.334E-05	7.621E-06	4.763E-04	1.143E-02	2.159E-05

HAPs - Metals					
	Lead	Cadmium	Chromium	Manganese	Nickel
Emission Factor in lb/MMcf	5.0E-04	1.1E-03	1.4E-03	3.8E-04	2.1E-03
Potential Emission in tons/yr	3.176E-06	6.986E-06	8.891E-06	2.413E-06	1.334E-05

Methodology is the same as on previous page.

The five highest organic and metal HAPs emission factors are provided above.

Additional HAPs emission factors are available in AP-42, Chapter 1.4.

**Appendix A: Emissions Calculations
VOC and Particulate**

From Paint Manufacturing Operations - PM/PM10 and VOC
Company Name: Quality Coatings, Inc.
Address City IN Zip: 1700 N. State Street, Chandler, Indiana 47610
Permit Number: 173-30373-00027
Reviewer: Janet Mobley

Maximum Rate of Paint Produced	493.4	lbs/hr
Individual Component		
Resin	98.6	lbs/hr
Pigment	24.6	lbs/hr
Solvent	370.2	lbs/hr

The emission factor for solvent emissions for a paint manufacturing* 2%
 The emission factor for PM/PM-10 emissions for a paint manufacturing* 1%
 * Taken from AP-42, Chapter - 6.4.1

Maximum hours of operation 8760 hours
 One (1) lb 0.0005 ton

Unlimited VOC Emissions = solvent*EF*8760*1/2000

$$(370.2 \text{ lb/hr}) * (0.02 \text{ lb emitted/ lb used}) * (8760 \text{ hr/yr}) * (1 \text{ ton}/2000 \text{ lb}) = 32.43 \text{ tons/yr}$$

Limited VOC Emissions (0.02 lb/lb * 2000 lb/ton) = 40 lbs/ton of solvent Emission Factor

$$1245 \text{ (tons of solvent /year)} * (40 \text{ lbs/ton}) * (1 \text{ ton}/2000 \text{ lb}) = 24.9 \text{ tons/yr}$$

Unlimited PM/PM10 Emissions = Resins*EF*8760*1/2000

$$(24.6 \text{ lb/hr}) * (0.01 \text{ lb emitted/ lb used}) * (8760 \text{ hr/yr}) * (1 \text{ ton}/2000 \text{ lb}) = 1.08 \text{ tons/yr}$$

Appendix A: Emissions Calculations

VOC and Particulate

From Surface Coating Operations - Test Spray Booth TB-1

Company Name: Quality Coatings, Inc.

Address City IN Zip: 1700 N. State Street, Chandler, Indiana 47610

Permit Number: 173-30373-00027

Reviewer: Janet Mobley

Material	Emission Unit	Batches/yr	Test/Batch	No. of Test/yr	Paint required for the eachTest (ml)	Total amount of paint used for the test in a year (ml)	Total amount of paint used for the test in a year (Gal)	Total VOC (lb/Gal)	VOC (lb) released in a year	Potential VOC pounds per hour	Potential VOC pounds per day	Potential VOC tons per year
C7N05A-19	Spray booth Testing	14	3.54	49.56	25	1239	0.33		0.00	0.0000	0.000	0.0000
DS35AA-31	Spray booth Testing	11	3.54	38.94	25	973.5	0.26	5.74	1.48	0.0002	0.004	0.0007
EX08AA-205	Spray booth Testing	13	3.54	46.02	25	1150.5	0.30	4.27	1.30	0.0001	0.004	0.0006
FD30BA-91	Spray booth Testing	53	3.54	187.62	25	4690.5	1.24	5.97	7.39	0.0008	0.020	0.0037
G7W50A-29	Spray booth Testing	11	3.54	38.94	25	973.5	0.26	5.56	1.43	0.0002	0.004	0.0007
RB20AA-130	Spray booth Testing	154	3.54	545.16	25	13629	3.60	5.94	21.37	0.0024	0.059	0.0107
LX20AP-16	Spray booth Testing	36	3.54	127.44	50	6372	1.68	4.22	7.10	0.0008	0.019	0.0035
W3B02A-29	Spray booth Testing	58	3.54	205.32	50	10266	2.71	1.08	2.93	0.0003	0.008	0.0015
Total Potential Emissions:		350		1239		39294	10.37		42.99	0.0049	0.12	0.02

Controlled Potential Emissions

Control Efficiency	Controlled VOC lbs per hour	Controlled VOC lbs per day	Controlled VOC tons per year
VOC			
0.0%	0.00	0.12	0.02

Blend used for Reduction Purposes

Material	Emission Unit	Batches/yr	Test/Batch	No. of Test/yr	Required for the eachTest (ml)	Total amount used for the test in a year (ml)	Total amount used for the test in a year (Gal)	lb/gal	lb	tpy
MEK	Spray booth Testing	256	3.54	906	12.5	11328	2.99	6.74	20.16	0.01
Toluene	Spray booth Testing	256	3.54	906	12.5	11328	2.99	7.18	21.47	0.01

Total **0.02**

Blend used for Cleaning Purposes

Material	Emission Unit	Batches/yr	Test/Batch	No. of Test/yr	Required for the eachTest (ml)	Total amount used for the test in a year (ml)	Total amount used for the test in a year (Gal)	lb/gal	lb	tpy
MEK	Spray booth Testing	350	3.54	1239	55	68145	17.99	6.74	121.25	0.06
Toluene	Spray booth Testing	350	3.54	1239	55	68145	17.99	7.18	129.17	0.06

Total **0.13**

Appendix A: Emissions Calculations
HAPS
face Coating Operations - Test Spray Bo
Company Name: Quality Coatings, Inc.
Address City IN Zip: 1700 N. State Street, Chandler, Indiana 47
Permit Number: 173-30373-00027
Reviewer: Janet Mobley

Material	Emission Unit	Batches/yr	Test/Batch	No. of Test/yr	Paint required for each Test (ml)	Total amount of paint used for the test in a year (ml)	Total amount of paint used for the test in a year (Gal)	Weight Percent						Gallons used						Amount released in lbs/year						
								Toluene	MEK	Methyl Iso-Butyl Ketone	Xylene	Ethyl Benzene	Methanol	Toluene	MEK	Methyl Iso-Butyl Ketone	Xylene	Ethyl Benzene	Methanol	Toluene	MEK	Methyl Iso-Butyl Ketone	Xylene	Ethyl Benzene	Methanol	
C7N05A-19	Spray booth Testing	14	3.54	49.56	25	1239	0.33	4.35	21.33	-	16.24	3.61	-	1.42	6.98	0.00	5.31	1.18	0.00	10.22	47.02	0.00	38.41	8.55	0.00	
DS35AA-31	Spray booth Testing	11	3.54	38.94	25	973.5	0.26	34.54	16.93	12.00	-	-	-	8.88	4.35	3.08	0.00	0.00	0.00	63.74	29.33	20.60	0.00	0.00	0.00	
EX08AA-205	Spray booth Testing	13	3.54	46.02	25	1150.5	0.30	13.90	-	13.20	0.02	-	-	4.22	0.00	4.01	0.01	0.00	0.00	30.31	0.00	26.78	0.04	0.00	0.00	
FD30BA-91	Spray booth Testing	53	3.54	187.62	25	4690.5	1.24	41.70	-	-	0.05	-	-	51.64	0.00	0.00	0.06	0.00	0.00	370.75	0.00	0.00	0.45	0.00	0.00	
G7W50A-29	Spray booth Testing	11	3.54	38.94	25	973.5	0.26	0.09	-	-	0.95	-	-	0.02	0.00	0.00	0.24	0.00	0.00	0.17	0.00	0.00	1.77	0.00	0.00	
RB20AA-130	Spray booth Testing	154	3.54	545.16	25	13629	3.60	27.67	19.00	18.33	0.04	-	-	99.56	68.36	65.95	0.14	0.00	0.00	714.83	460.77	440.56	1.04	0.00	0.00	
LX20AP-16	Spray booth Testing	36	3.54	127.44	50	6372	1.68	0.01	-	0.01	1.07	0.90	0.09	0.02	0.00	0.02	1.80	1.51	0.15	0.12	0.00	0.11	13.01	10.96	1.00	
W3B02A-29	Spray booth Testing	58	3.54	205.32	50	10266	2.71	-	-	-	-	-	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
																				Total	1190.13	537.12	488.06	54.72	19.51	1.00
																				TPY	0.60	0.27	0.24	0.03	0.01	0.00
																				Total HAPS						1.15

Material	Density, lb/gal
Toluene	7.18
MEK	6.74
Methyl Iso-Butyl Ketone	6.68
Xylene	7.23
Ethyl Benzene	7.24
Methanol	6.6



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

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

TO: Tricia Lewis
Quality Coatings, Inc.
1700 N State Street
Chandler, IN 47610

DATE: July 27, 2011

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

SUBJECT: Final Decision
MSOP Renewal
173-30373-00027

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

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

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

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

Final Applicant Cover letter.dot 11/30/07



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July 27, 2011

TO: Chandler Library

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

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

Applicant Name: Quality Coatings, Inc.
Permit Number: 173-30373-00027

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

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

Enclosures
Final Library.dot 11/30/07

Mail Code 61-53

IDEM Staff	GHOTOPP 7/27/2011 Quality Coatings, Inc. 173-30373 -00027 Final		Type of Mail: CERTIFICATE OF MAILING ONLY	AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING
Name and address of Sender		Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204		

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1		Tricia Lewis Quality Coatings, Inc. 1700 N State St Chandler IN 47610 (Source CAATS) via confirmed delivery										
2		Warrick County Board of Commissioners 107 W. Locust Street Suite # 301 Boonville IN 47601-0585 (Local Official)										
3		Warrick County Health Department 107 W Locust, Suite 204 Boonville IN 47601-1701 (Health Department)										
4		Mr. Charles L. Berger Berger & Berger, Attorneys at Law 313 Main Street Evansville IN 47700 (Affected Party)										
5		Mr. Wendell Hibdon Plumbers & Steam Fitters Union, Local 136 2300 St. Joe Industrial Park Dr Evansville IN 47720 (Affected Party)										
6		Mr. Don Mottley Save Our Rivers 6222 Yankeetown Hwy Boonville IN 47601 (Affected Party)										
7		Kim Sherman 3355 Woodview Drive Newburgh IN 47630 (Affected Party)										
8		Mr. Bill Musgrove PO Box 565 Boonville IN 47601 (Affected Party)										
9		Mr. Bil Musgrove PO Box 520 Chandler IN 47610 (Affected Party)										
10		Mr. John Blair 800 Adams Ave Evansville IN 47713 (Affected Party)										
11		Chandler Library 402 S. Jaycee Street Chandler IN 47610 (Library)										
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