



Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

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

TO: Interested Parties / Applicant
DATE: October 20, 2005
RE: Rhinehart Finishing, LLC / 033-21859-00078
FROM: Paul Dubenetzky
Chief, Permits Branch
Office of Air Quality

Notice of Decision – Approval

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 326 IAC 2, this approval was effective immediately upon submittal of the application.

If you wish to challenge this decision, IC 4-21.5-3-7 requires that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Room 1049, Indianapolis, IN 46204, **within eighteen (18) calendar days from 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-AM.dot 1/10/05



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October 20, 2005

Mr. Don McDaniel
Rhinehart Finishing, LLC
5345 County Road 68
Spencerville, Indiana 46788

Re: 033-21859-00078
Second Notice-only change to
MSOP 033-14280-00078

Dear Mr. McDaniel:

Rhinehart Finishing, LLC was issued Minor Source Operating Permit (MSOP) on July 23, 2001, for a stationary custom coating and finishing plant, located at 5345 County Road 68, Spencerville, Indiana 46788. A letter was received on September 26, 2005 requesting a notice-only change to the permit. The source plans to add one (1) paint mix room (PMR-2), which is similar to the one (1) existing paint mix room (PMR-1). The addition of PMR-2 is considered a notice-only change, since the potential emissions of regulated criteria pollutants and hazardous air pollutants are less than the ranges specified in 326 IAC 2-6.1-6(g)(4) and 326 IAC 2-6.1-6(d)(10), respectively. The addition of PMR-2 will not cause the source's potential to emit to be greater than the threshold levels specified in 326 IAC 2-2 or 326 IAC 2-3.

Pursuant to the provisions of 326 IAC 2-6.1-6, the permit is hereby revised as follows with deleted language as ~~strikeouts~~ and new language **bolded**:

A.2 Emissions units and Pollution Control Equipment Summary

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

- (a) Surface coating operations consisting of **the following**:
- (1) ~~one~~ **two (42) paint mix rooms (identified as PMR-1 and PMR-2). Emissions of particulate matter from PMR-1 and PMR-2 are controlled using dry filters, exhausting at stacks S-27 and S-33, respectively. PMR-1 and PMR-2 were constructed in 2001 and 2005, respectively; and**
 - (2) four (4) spray paint booths (identified as PB-1, PB-2, PB-3 and PB-4). Each spray paint booth is equipped with two (2) high volume low pressure (HVLP) spray guns used for painting steel, aluminum and plastic parts. The maximum capacity of each spray booth is 425 square feet of coating per hour. Emissions of particulate matter from the spray booths are controlled using dry filters, exhausting at stacks S-19, S-20, S-21, and S-22. These units were constructed in 2001.

SECTION D.1

FACILITY CONDITIONS

Facility Description:

- (a) Surface coating operations consisting of **the following:**
- (1) ~~one-two~~ (42) paint mix rooms (**identified as PMR-1 and PMR-2**). **Emissions of particulate matter from PMR-1 and PMR-2 are controlled using dry filters, exhausting at stacks S-27 and S-33, respectively. PMR-1 and PMR-2 were constructed in 2001 and 2005, respectively; and**
 - (2) four (4) spray paint booths (identified as PB-1, PB-2, PB-3 and PB-4). Each spray paint booth is equipped with two (2) high volume low pressure (HVLP) spray guns used for painting steel, aluminum and plastic parts. The maximum capacity of each spray booth is 425 square feet of coating per hour. Emissions of particulate matter from the spray booths are controlled using dry filters, exhausting at stacks S-19, S-20, S-21, and S-22. These units were constructed in 2001.
- (e) Two (2) paint booths (identified as PB-5 and PB-6) equipped with high volume low pressure (HVLP) paint guns, each with a maximum throughput rate of 425 metal and plastic parts per hour, and exhausting at stacks S-005 and S-006. The paint booths are controlled by dry filters and were installed in 2005.

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

All other conditions of the permit shall remain unchanged and in effect. Please attach a copy of this letter and the following revised permit pages to the front of the original permit. This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Nathan C. Bell, 100 North Senate Avenue, Indianapolis, Indiana, 46204, at 317-234-3350 or at 1-800-451-6027 (ext 43350).

Sincerely,

Original signed by

Nysa L. James, Section Chief
Permits Branch
Office of Air Quality

ncb

Attachment: Revised permit pages

cc: File - Dekalb County
U.S. EPA, Region V
Dekalb County Health Department
IDEM Northern Regional Office
Air Compliance Section Inspector - Doyle Houser
Compliance Data Section
Administrative and Development



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NEW SOURCE CONSTRUCTION PERMIT and MINOR SOURCE OPERATING PERMIT OFFICE OF AIR QUALITY

**Rhinehart Finishing, LLC
5345 County Road 68
Spencerville, Indiana 46788**

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

This permit is issued to the above mentioned company under the provisions of 326 IAC 2-1.1, 326 IAC 2-5.1, 326 IAC 2-6.1 and 40 CFR 52.780, with conditions listed on the attached pages.

Operation Permit No.: MSOP 033-14280-00078	
Issued by: Original signed by Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: July 23, 2001 Expiration Date: July 23, 2006

First Notice Only Change No. 033-20649-00078, issued March 14, 2005

Second Notice Only Change: 033-21859-00078	Pages Affected: 4, 5, 15, 16
Issued by: Original signed by Nysa L. James, Section Chief Office of Air Quality	Issuance Date: October 20, 2005 Expiration Date: July 23, 2006

SECTION A

SOURCE SUMMARY

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

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

The Permittee owns and operates custom coating and finishing plant.

Authorized Individual: Don McDaniel
Source Address: 5345 County Road 68, Spencerville, Indiana 46788
Mailing Address: 5345 County Road 68, Spencerville, Indiana 46788
Phone Number: (260) 238-4442
SIC Code: 3479
County Location: Dekalb
County Status: Attainment for all criteria pollutants
Source Status: Minor Source Operating Permit
Minor Source, under PSD

A.2 Emissions units and Pollution Control Equipment Summary

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

- (a) Surface coating operations consisting of the following:
- (1) two (2) paint mix rooms (identified as PMR-1 and PMR-2). Emissions of particulate matter from PMR-1 and PMR-2 are controlled using dry filters, exhausting at stacks S-27 and S-33, respectively. PMR-1 and PMR-2 were constructed in 2001 and 2005, respectively; and
 - (2) four (4) spray paint booths (identified as PB-1, PB-2, PB-3 and PB-4). Each spray paint booth is equipped with two (2) high volume low pressure (HVLP) spray guns used for painting steel, aluminum and plastic parts. The maximum capacity of each spray booth is 425 square feet of coating per hour. Emissions of particulate matter from the spray booths are controlled using dry filters, exhausting at stacks S-19, S-20, S-21, and S-22. These units were constructed in 2001.
- (b) One (1) six-stage metal parts aqueous washing and zinc phosphating line, using only water, soap and zinc phosphate solutions, and containing the following natural gas-fired heating units:
- (1) Washer-line drying oven (identified as C.U. 001) having a maximum heat input capacity of 2.5 MMBtu per hour and exhausting at stack S-8.
 - (2) Washer-line stage 1 burner (identified as C.U. 002) having a maximum heat input capacity of 3.5 MMBtu per hour and exhausting at stack S-3.
 - (3) Washer-line stage 4 burner (identified as C.U. 003) having a maximum heat input capacity of 2.0 MMBtu per hour and exhausting at stack S-4.

- (c) Two (2) powder coating booths (identified as PC-1 and PC-2) each with a maximum capacity of 50 pounds of powder coating per hour. Powders are recycled using a cyclone and baghouse, which are considered to be integral to the process.

- (d) Natural gas-fired combustion sources with heat input equal to or less than ten (10) million Btu per hour, including:
 - (1) Powder coat cure oven (identified as C.U. 004) having a maximum heat input capacity of 3.5 MMBtu per hour and exhausting at stack S-10.
 - (2) Liquid spray paint cure oven (identified as C.U. 005) having a maximum heat input capacity of 1.5 MMBtu per hour and exhausting at stack S-18.
 - (3) Pyrolysis cleaning furnace having a maximum heat input capacity of 0.75 MMBtu per hour and a maximum processing capacity of ten (10) pounds hydrocarbon coatings per hour. Emissions are controlled using an afterburner, which exhausts at stack S-28.
 - (4) North general building heater(identified as C.U. 006) having a maximum heat input capacity of 0.3 MMBtu per hour and exhausting at stack S-11.
 - (5) Southeast general building heater (identified as C.U. 007) having a maximum heat input capacity of 0.3 MMBtu per hour and exhausting at stack S-12.
 - (6) South general building heater (identified as C.U. 008) having a maximum heat input capacity of 0.3 MMBtu per hour and exhausting at stack S-13.
 - (7) Wet paint room air makeup unit (identified as C.U. 009) having a maximum heat input capacity of 1.1 MMBtu per hour.
 - (8) Powder Paint Room air makeup unit (identified as C.U. 010) having a maximum heat input capacity of 1.1 MMBtu per hour.
 - (9) Warehouse area air makeup unit (identified as C.U. 011) having a maximum heat input capacity of 2.073 MMBtu per hour.
 - (10) Environmental room air conditioner and heater No.1 (identified as C.U. 012) having a maximum heat input capacity of 0.15 MMBtu per hour.
 - (11) Environmental room air conditioner and heater No. 2 (identified as C.U. 013) having a maximum heat input capacity of 0.15 MMBtu per hour.

- (e) Two (2) paint booths (identified as PB-5 and PB-6) equipped with high volume low pressure (HVLP) paint guns, each with a maximum throughput rate of 425 metal and plastic parts per hour, and exhausting at stacks S-005 and S-006. The paint booths are controlled by dry filters and were installed in 2005.

SECTION D.1

FACILITY CONDITIONS

Facility Description:

- (a) Surface coating operations consisting of the following:
- (1) two (2) paint mix rooms (identified as PMR-1 and PMR-2). Emissions of particulate matter from PMR-1 and PMR-2 are controlled using dry filters, exhausting at stacks S-27 and S-33, respectively. PMR-1 and PMR-2 were constructed in 2001 and 2005, respectively; and
 - (2) four (4) spray paint booths (identified as PB-1, PB-2, PB-3 and PB-4). Each spray paint booth is equipped with two (2) high volume low pressure (HVLP) spray guns used for painting steel, aluminum and plastic parts. The maximum capacity of each spray booth is 425 square feet of coating per hour. Emissions of particulate matter from the spray booths are controlled using dry filters, exhausting at stacks S-19, S-20, S-21, and S-22. These units were constructed in 2001.
- (e) Two (2) paint booths (identified as PB-5 and PB-6) equipped with high volume low pressure (HVLP) paint guns, each with a maximum throughput rate of 425 metal and plastic parts per hour, and exhausting at stacks S-005 and S-006. The paint booths are controlled by dry filters and were installed in 2005.

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

Emission Limitations and Standards

D.1.1 Volatile Organic Compound (VOC) [326 IAC 8-2-9]

Pursuant to 326 IAC 8-2-9 (Miscellaneous Metal Coating Operations),

- (a) The volatile organic compound (VOC) content of coating applied to metal components in the Spray Booths (PB-1, PB-2, PB-3 and PB-4) shall be limited to 3.5 pounds of VOCs per gallon of coating less water, as delivered to the applicator for any calendar day, for extreme performance coatings.
- (b) The volatile organic compound (VOC) content of coating applied to metal components in the paint booths (PB-5 and PB-6) shall each be limited to 3.5 pounds of VOC per gallon of coating less water, as delivered to the applicator for any calendar day, for extreme performance coatings.
- (c) Pursuant to 326 IAC 8-2-9(f), all solvent sprayed from application equipment during cleanup or color changes shall be directed into containers. Such containers shall be closed as soon as such solvent spraying is complete, and the waste solvent shall be disposed of in such a manner that evaporation is minimized.

D.1.2 Particulate [326 IAC 6-3-2(d)]

- (a) Particulate from the surface coating operations (PB-1, PB-2, PB-3, PB-4, PB-5 and PB-6) shall be controlled by dry particulate filters, and the Permittee shall operate the control device in accordance with manufacturer's specifications.
- (b) If overspray is visibly detected at the exhaust or accumulates on the ground, the Permittee shall inspect the control device and do either of the following no later than four (4) hours after such observation:

- (1) Repair control device so that no overspray is visibly detectable at the exhaust or accumulates on the ground.
- (2) Operate equipment so that no overspray is visibly detectable at the exhaust or accumulates on the ground.
- (c) If overspray is visibly detected, the Permittee shall maintain a record of the action taken as a result of the inspection, any repairs of the control device, or change in operations, so that overspray is not visibly detected at the exhaust or accumulates on the ground. These records must be maintained for five (5) years.

D.1.3 Hazardous Air Pollutants (HAPs) [326 IAC 2-4-1]

The spray paint booths (PB-1, PB-2, PB-3 and PB-4) has uncontrolled potential to emit for hazardous air pollutants (HAPs) that is less than ten (10) tons per year for any single HAP and less than twenty-five (25) tons per year of any combination of HAPs. Therefore, 326 IAC 2-4-1 does not apply. Any change or modification that would increase the potential to emit of any single HAP and combination of HAPs equal to or greater than ten (10) and twenty-five (25) tons per year, respectively, shall require prior approval from IDEM, OAQ.

D.1.4 Preventive Maintenance Plan [326 IAC 1-6-3]

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

Compliance Determination Requirements

D.1.5 Volatile Organic Compounds (VOC)

Compliance with the VOC content 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. However, 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.1.6 Record Keeping Requirements

- (a) To document compliance with Conditions D.1.1 and D.1.3, 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 content limit established in Condition D.1.1 and the HAP usage limit established in Condition D.1.3. Records necessary to demonstrate compliance shall be available within 30 days of the end of each compliance period.
 - (1) The amount and VOC and HAP content of each coating material used. Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type of coating used;
 - (2) The cleanup solvent usage for each month;
 - (3) The total VOC and HAP usage for each month; and
 - (4) The weight of VOCs and HAPs emitted for each compliance period.
- (b) To document compliance with Condition D.1.2 the Permittee shall maintain a record of any actions taken if overspray is visibly detected.
- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.