

Mr. Greg Myers
Wayne Metals, LLC
400 East Logan Street
Markle, Indiana 46770

Re: 179-16002
Third Administrative Amendment to
Part 70 179-6828-00016

Dear Mr. Myers:

Wayne Metals, LLC, located at 400 East Logan Street, Markle, Indiana was issued a Part 70 permit on December 29, 1997 for a plant that manufactures various fabricated metal products. A letter requesting a change to the permit was received on August 26, 2002. The change involves the construction of the following emission unit that has a PTE of 0.19 tons of PM/PM10 per year, which can qualify as a "revision to descriptive information where the revision will not trigger a new applicable requirement or violate a permit term, under 326 IAC 2-7-11". Therefore, the permit is hereby administratively amended as follows:

- (a) One (1) powder coating booth, with a maximum usage rate of 200 pounds of powder coating per hour, equipped with air atomization spray, with cartridge filters to capture and collect the powder. This booth is being added into the existing Plant 2 surface preparation. There are no stacks or vents connection outside the building.

The PM/PM10 emissions from the powder coating booth was determined to be 0.19 tons per year after the control, based on a total standard air flow rate of 10,000 scfm and an outlet grain loading of 0.0005 grain/scf. The PM/PM10 emission was determined after control since the control's primary purpose is to collect the overspray powder and the powder that has settled on the coating booth's floor for a clean working environment. No PM/PM10 emission gets into the air since there is no direct exhaust outside the building.

Section A.3, Insignificant Activities of the Part 70 is amended to include the powder coating booth and be numbered (23) (changes are **bolded** and deletions are ~~struck through~~ for emphasis):

A.3 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4(c)]

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

(1) through (22) no changes

- (23) One (1) powder coating booth, with a maximum usage rate of 200 pounds of powder coating per hour, equipped with air atomization spray, with cartridge filters to capture and collect the powder. This booth is being added into the existing Plant 2 surface preparation. There are no stacks or vents connection outside the building.**

Section A.2 and Section D.1 item (4) the word "electrostatic" will be deleted in these two sections, as requested by the source since the touch up paint booth is not electrostatic:

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)]

- (4) One (1) touch up paint booth, identified as PB 4, equipped with ~~electrostatic~~ air atomized

spray equipment, with a maximum capacity of 3150 parts per hour, using dry filters as control, utilizing an exhaust fan rated at 7,000 CFM and exhausting to stack PB-4.

SECTION D.1 FACILITY OPERATION CONDITIONS

- (1) One (1) primary paint booth, identified as PB 1, equipped with electrostatic air atomized spray equipment, with a maximum capacity of 3150 parts per hour, using a water wash curtain as control, utilizing two exhaust fans each rated at 15,000 CFM and exhausting to stacks PB-1A and PB-1B.
- (2) One (1) finish paint booth, identified as PB 2, equipped with electrostatic air atomized spray equipment, with a maximum capacity of 3150 parts per hour, using a water wash curtain as control, utilizing an exhaust fan rated at 25,000 CFM and exhausting to stack PB-2.
- (3) One (1) finish paint booth, identified as PB 3, equipped with electrostatic air atomized spray equipment, with a maximum capacity of 3150 parts per hour, using a water wash curtain as control, utilizing an exhaust fan rated at 32,000 CFM and exhausting to stack PB-3.
- (4) One (1) touch up paint booth, identified as PB 4, equipped with ~~electrostatic~~ air atomized spray equipment, with a maximum capacity of 3150 parts per hour, using dry filters as control, utilizing an exhaust fan rated at 7,000 CFM and exhausting to stack PB-4.

Upon further review IDEM has changed the following condition to make the monthly averaging time consistent throughout Condition D.1.2 as follows:

D.1.2 PSD Minor Limit [326 IAC 2-2] [40 CFR 52.21]

These facilities shall use no more than 20.7 tons of VOC, including coatings, dilution solvents, and cleaning solvents, per month. This usage limit is required to limit the potential to emit of VOC to less than 249 tons per ~~365- 12~~ consecutive ~~day~~ month period. Compliance with this limit makes 326 IAC 2-2 (Prevention of Significant Deterioration) not applicable.

All other conditions of the permit shall remain unchanged and in effect. Please attach a copy of this amendment 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 Aida De Guzman, at (800) 451-6027, press 0 and ask for Aida De Guzman or extension (3-4972), or dial (317) 233-4972.

Sincerely,

Paul Dubenetzky, Chief
Permits Branch
Office of Air Quality

Attachments

APD

cc: File - Wells County
Wells County Health Department
Air Compliance Section Inspector - Ryan Hill
Compliance Data Section - Karen Nowak
Administrative and Development
Technical Support and Modeling - Michele Boner
Reviewer Part 70 Permit Renewal 179-15230-00016 - Enviroplan Consulting

PART 70 OPERATING PERMIT OFFICE OF AIR MANAGEMENT

**Wayne Metal Products Company, Inc.
400 East Logan Street
Markle, Indiana 46770**

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

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 and 326 IAC 2-1-3.2 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: T179-6828-00016	
Issued by: Felicia R. George, Assistant Commissioner Office of Air Management	Issuance Date: December 29, 1997
First Administrative Amendment 179-9829, issued on August 12, 1998 Review Request 179-11261, issued on September 1, 1999 Second Administrative Amendment 179-13996, issued on April 5, 2001	
Third Administrative Amendment 179-16002	Pages Affected: 4, 6, 29
Issued by:Original signed by Paul Dubenetzky Paul Dubenetzky, Chief Permit Branch Office of Air Quality	Issuance Date: October 16, 2002

SECTION A

SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ), and presented in the permit application.

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

The Permittee owns and operates a stationary fabricated metal products operation.

Responsible Official: Gregory W. Tackett
Source Address: 400 East Logan Street, Markle, Indiana 46770
Mailing Address: 400 East Logan Street, Markle, Indiana 46770
SIC Code: 3469
County Location: Wells
County Status: Attainment for all criteria pollutants
Source Status: Part 70 Permit Program
Minor Source, under PSD Rules;
Major Source, Section 112 of the Clean Air Act

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)]

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

- (1) One (1) primary paint booth, identified as PB 1, equipped with electrostatic air atomized spray equipment, with a maximum capacity of 3150 parts per hour, using a water wash curtain as control, utilizing two exhaust fans each rated at 15,000 CFM and exhausting to stacks PB-1A and PB-1B.
- (2) One (1) finish paint booth, identified as PB 2, equipped with electrostatic air atomized spray equipment, with a maximum capacity of 3150 parts per hour, using a water wash curtain as control, utilizing an exhaust fan rated at 25,000 CFM and exhausting to stack PB-2.
- (3) One (1) finish paint booth, identified as PB 3, equipped with electrostatic air atomized spray equipment, with a maximum capacity of 3150 parts per hour, using a water wash curtain as control, utilizing an exhaust fan rated at 32,000 CFM and exhausting to stack PB-3.
- (4) One (1) touch up paint booth, identified as PB 4, equipped with air atomized spray equipment, with a maximum capacity of 3150 parts per hour, using dry filters as control, utilizing an exhaust fan rated at 7,000 CFM and exhausting to stack PB-4.

A.3 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(20)] [326 IAC 2-7-4(c)]

This stationary source also includes the following insignificant activities, as defined in 326 IAC 2-7-1(20):

- (1) Natural gas-fired combustion sources with heat input equal to or less than ten (10) million Btu per hour (One 3.5 MM Btu/hr drying oven identified as wash, one 4.0 MM Btu/hr bake oven identified as BO, one 0.4 MM Btu/hr burn off oven and one 0.225 MM Btu/hr burn off oven identified as BF.)
- (2) Propane or liquified petroleum gas, or butane-fired combustion sources with heat input equal to or less than six million (6,000,000) Btu per hour. (Alternate fuel arrangement)

- (21) A laboratory as defined in 326 IAC 2-7-1(20)(C).
- (22) Maintenance painting, parking lot resealing and roof repair.
- (23) One (1) powder coating booth, with a maximum usage rate of 200 pounds of powder coating per hour, equipped with air atomization spray, with cartridge filters to capture and collect the powder. This booth is being added into the existing Plant 2 surface preparation. There are no stacks or vents connection outside the building.

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

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

- (a) it is a major source, as defined in 326 IAC 2-7-1(21); and
- (b) it is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).

A.5 Prior Permit Conditions Superseded [326 IAC 2]

The terms and conditions of this permit incorporate all the current applicable requirements for all emission units located at this source, and supersede all terms and conditions in all registrations and permits, including construction permits, issued prior to the date of issuance of this permit. All terms and conditions in such registrations and permits are no longer in effect.

SECTION D.1

FACILITY OPERATION CONDITIONS

- (1) One (1) primary paint booth, identified as PB 1, equipped with electrostatic air atomized spray equipment, with a maximum capacity of 3150 parts per hour, using a water wash curtain as control, utilizing two exhaust fans each rated at 15,000 CFM and exhausting to stacks PB-1A and PB-1B.
- (2) One (1) finish paint booth, identified as PB 2, equipped with electrostatic air atomized spray equipment, with a maximum capacity of 3150 parts per hour, using a water wash curtain as control, utilizing an exhaust fan rated at 25,000 CFM and exhausting to stack PB-2.
- (3) One (1) finish paint booth, identified as PB 3, equipped with electrostatic air atomized spray equipment, with a maximum capacity of 3150 parts per hour, using a water wash curtain as control, utilizing an exhaust fan rated at 32,000 CFM and exhausting to stack PB-3.
- (4) One (1) touch up paint booth, identified as PB 4, equipped with air atomized spray equipment, with a maximum capacity of 3150 parts per hour, using dry filters as control, utilizing an exhaust fan rated at 7,000 CFM and exhausting to stack PB-4.

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

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

- (a) Pursuant to 326 IAC 8-2-9 (Miscellaneous Metal Coating), the volatile organic compound (VOC) content of coating delivered to the applicator at the primary and finish paint booths shall be limited to 3.5 pounds of VOCs per gallon of coating less water, for forced warm air dried coatings.
- (b) 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 PSD Minor Limit [326 IAC 2-2] [40 CFR 52.21]

These facilities shall use no more than 20.7 tons of VOC, including coatings, dilution solvents, and cleaning solvents, per month. This usage limit is required to limit the potential to emit of VOC to less than 249 tons per 12 consecutive month period. Compliance with this limit makes 326 IAC 2-2 (Prevention of Significant Deterioration) not applicable.

D.1.3 Particulate Matter (PM) [326 IAC 6-3-2(c)]

Pursuant to 326 IAC 6-3-2(c) (Particulate Emission Limitations), the PM from the four (4) paint booths, (PB1, PB2, PB3 and PB4), shall not exceed the pound per hour emission rate established as E in the following formula:

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

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

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