

Ann McCrossan
Midwest Pipe Coating, Inc.
P.O. Box 609
Scherville, IN 46375

Re: AF089-10710-00096
First Administrative Amendment to
FESOP 089-5526-00096

Dear Ann McCrossan:

Midwest Pipe Coating, Inc. was issued a Federally Enforceable State Operating Permit FESOP on December 10, 1996 for a metal pipe and bar abrasive cleaning and coating operation located at 925 Kennedy Avenue, Schereville, IN 46375. A letter requesting for amendments to this FESOP because of the addition of a Griffin dust collector and reorganizing of spray guns from the Custom 1 line was received on March 04, 1999. This permit will be amended under 326 IAC 2-8-10(a)(6), where this "Revises descriptive information where the revision will not trigger a new applicable requirement or violate a permit term". Pursuant to the provisions of 326 IAC 2-8-10 the permit is hereby administratively amended as follows (deletions are marked with strikeout and additions are in bold):

1. Griffin Dust Collector (CE1) is connected to the exhaust of two emission units – the Thin Film I abrasive cleaning machine (EU5) and the Thin Film II abrasive cleaning machine (EU14). It is proposed to isolate CE1 so that it controls emissions from EU14 only. A new dust collector of 8000 cfm capacity (CE15) will be added to control emissions from EU5.

Accordingly Section A.2 (a) on page 4 and D.1 on page 24 of the FESOP are amended as follows:

One (1) Thin Film Line I Abrasive Cleaning Machine equipped with storage hopper and airwash separator all identified as EU5 and rated at 40 pounds virgin grit per hour, with particulate matter controlled by a baghouse identified as ~~CE4~~ **CE15**, and exhausting at one (1) stack identified as S/V1;

2. The Tower dust collector (CE11) which controls the emissions from I.D.Line abrasive cleaning machine's reclaim system (EU30) is replaced with a newer unit of similar size and capacity. Hence no amendment is required.
3. As the Custom 1 coating booth (EU23) is inoperative, therefore eight (8) spray guns from this booth will be moved to the Thin Film II coating booth (EU19) and another eight (8) spray guns will be moved to the Dual-coat booth (EU37).

These changes have been incorporated in Section A.2 (g) on page 4 and D.7 on page 42 as follows:

One (1) Thin Film Line II:

- (1) One (1) Powder Spray Booth equipped with powder reclaim and a ~~twenty-four (24)~~ **thirty two (32)** gun electrostatic air atomized spray application system, identified as EU19 and rated at 750 pounds virgin power per hour, with particulate matter controlled by a cartridge dust collector identified as CE4, and exhausting at one (1) stack identified as S/V6;

- (2) One (1) Powder Spray Booth equipped with powder reclaim and a ~~twenty-four (24)~~ **thirty two (32)** gun electrostatic air atomized spray application system, identified as EU37 and rated at 750 pounds virgin power per hour, with particulate matter controlled by a cartridge dust collector identified as CE14, and exhausting at one (1) stack identified as unlabeled;
- (3) Three (3) natural gas fired process ovens, rated at 12.8 million (MM) British thermal units (Btu) per hour each and identified as EU16, EU17 and EU18, exhausting at one (1) stack identified as S/V5.

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 Gurinder Saini, at (800) 451-6027, press 0 and ask for Gurinder Saini or extension 3-0203, or dial (317) 233-0203.

Sincerely,

Paul Dubenetzky, Chief
Permits Branch
Office of Air Management

Attachments

GS

cc: File - Lake County
U.S. EPA, Region V
Lake County Health Department
North-west Regional Office
Air Compliance Section Inspector Rick Massoels / Ramesh Tejuja
Compliance Data Section - Karen Nowak
Administrative and Development - Janet Mobley
Technical Support and Modeling - Michele Boner

**FEDERALLY ENFORCEABLE STATE
OPERATING PERMIT (FESOP)
OFFICE OF AIR MANAGEMENT**

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015
Phone: 1-800-451-6027

**Midwest Pipe Coating, Inc.
925 Kennedy Avenue
Schererville, IN 46375**

(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 and contains the conditions and provisions specified in 326 IAC 2-8 and 40 CFR Part 70.6 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments) and IC 13-15 and IC 13-17 (prior to July 1, 1996, IC 13-1-1-4 and IC 13-7-10).

Operation Permit No.: F089-5526-00096

Original Issued by: Paul Dubenetzky, Branch Chief Office of Air Management	Issuance Date: December 10, 1996
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First Administrative Amendment No.: AF089-10710-00096

Pages Affected: 4, 5, 26, 44

Issued by: Paul Dubenetzky, Branch Chief Office of Air Management	Issuance Date:
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SECTION A SOURCE SUMMARY

A.1 General Information

The Permittee owns and operates a metal pipe and bar abrasive cleaning and coating operation.

Responsible Official: **Ann McCrossan**
Source Address: **925 Kennedy Avenue, Schererville, IN 46375**
Mailing Address: **P.O. Box 609, Schererville, IN 46375**
SIC Code: **3479**
County Location: **Lake County**
County Status: **Nonattainment for ozone, SO₂ and total suspended particulates;**
Source Status: **Synthetic Minor Source, FESOP Program**

A.2 Emission Units and Pollution Control Summary

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

- (a) One (1) Thin Film Line I Abrasive Cleaning Machine equipped with storage hopper and airwash separator all identified as EU5 and rated at 40 pounds virgin grit per hour, with particulate matter controlled by a baghouse identified as CE15, and exhausting at one (1) stack identified as S/V1;
- (b) One (1) Thin Film Line II Abrasive Cleaning Machine equipped with storage hopper and airwash separator all identified as EU14 and rated at 200 pounds virgin grit per hour, with particulate matter controlled by a baghouse identified as CE1, and exhausting at one (1) stack identified as S/V1;
- (c) One (1) Rear Line Abrasive Cleaning Machine equipped with storage hopper and airwash separator all identified as EU27 and rated at 80 pounds virgin grit per hour, with particulate matter controlled by cartridge dust collector identified as CE7, and exhausting at one (1) stack identified as S/V17;
- (d) One (1) I.D. Line Abrasive Cleaning Machine equipped with airwash separator and grit reclaim all identified as EU30 and rated at 1920 pounds virgin grit per hour; particulate matter at the airwash separator controlled by a baghouse identified as CE10 and exhausting at one (1) stack identified as S/V20; and particulate matter at the reclaim controlled by a baghouse identified as CE11 and exhausting at one (1) stack identified as S/V21;
- (e) One (1) Thin Film Line II Abrasive Grit Blow Out Station identified as EU15, with particulate matter controlled by a baghouse identified as CE3, and exhausting at one (1) stack identified as S/V4;
- (f) One (1) Thin Film Line I Powder Spray Booth equipped with powder reclaim and a sixteen (16) gun electrostatic air atomized spray application system all identified as EU7 and rated at 110 pounds virgin power per hour, with particulate matter controlled by a baghouse identified as CE2, exhausting at one (1) stack identified as S/V3;
- (g) One (1) Thin Film Line II:

- (1) One (1) Powder Spray Booth equipped with powder reclaim and a thirty two (32) gun electrostatic air atomized spray application system, identified as EU19 and rated at 750 pounds virgin power per hour, with particulate matter controlled by a cartridge dust collector identified as CE4, and exhausting at one (1) stack identified as S/V6;
 - (2) One (1) Powder Spray Booth equipped with powder reclaim and a thirty two (32) gun electrostatic air atomized spray application system, identified as EU37 and rated at 750 pounds virgin power per hour, with particulate matter controlled by a cartridge dust collector identified as CE14, and exhausting at one (1) stack identified as unlabeled;
 - (3) Three (3) natural gas fired process ovens, rated at 12.8 million (MM) British thermal units (Btu) per hour each and identified as EU16, EU17 and EU18, exhausting at one (1) stack identified as S/V5.
- (h) One (1) Custom I Line Powder Spray Booth equipped with powder reclaim and an eighteen (18) gun electrostatic air atomized spray application system all identified as EU23 and rated at 100 pounds virgin power per hour; particulate matter at the spray booth controlled by a cartridge dust collector identified as CE5 and exhausting at one (1) stack identified as S/V12; and particulate matter at the powder reclaim controlled by a baghouse identified as CE6 and exhausting at one (1) stack identified as S/V13;
- (i) One (1) Rear Line Powder Spray Booth equipped with powder reclaim system and an eighteen (18) gun electrostatic air atomized spray application system all identified as EU28 and rated at 250 pounds virgin power per hour; particulate matter at the spray booth controlled by a cartridge dust collector identified as CE8 and exhausting at one (1) stack identified as S/V18; and particulate matter at the powder reclaim controlled by a cartridge dust collector identified as CE9 and exhausting at one (1) stack identified as S/V19;
- (j) Three Liquid Coating Facilities:
- (1) One (1) I.D. Line Paint Machine rated at 400 pounds liquid paint per hour utilizing an one (1) gun airless spray application system all identified as EU31, with particulate matter as over spray controlled by dry filter identified as CE12, and exhausting at one (1) stack identified as S/V22;
 - (2) One (1) O.D. Paint Station rated at 400 pounds liquid paint per hour utilizing a flow coating or an one (1) gun airless spray application system all identified as EU39;
 - (3) One (1) Rear Line Patch Station rated at 8 pounds patching compound per hour utilizing a brush application method and identified as EU40, exhausting at one (1) stack identified as S/V29; and
- (k) One (1) 30 gallon cold cleaning parts washer identified as EU41.

SECTION D.1 FACILITY OPERATION CONDITIONS

One (1) Thin Film Line I Abrasive Cleaning Machine equipped with storage hopper and airwash separator all identified as EU5 and rated at 40 pounds virgin grit per hour, with particulate matter controlled by a baghouse identified as CE15, and exhausting at one (1) stack identified as S/V1.

Emissions Limitations and Standards [326 IAC 2-8-4(1)]

D.1.1 Particulate Matter

Pursuant to 326 IAC 6-1-2 (Particulate Emission Limitations), the particulate matter emissions from the abrasive cleaning system shall not exceed 0.03 grains per dry standard cubic foot.

Compliance Monitoring Requirements [326 IAC 2-8-5(a)(1)]

D.1.2 Pressure Drop Readings

The Permittee shall take readings of the total static pressure drop across all baghouses controlling this operation, at least once per day when the abrasive cleaning system is in operation. Unless operated under conditions for which the Preventive Maintenance Plan specifies otherwise, the pressure drop across the baghouse shall be maintained within the range of 1.0 and 6.0 inches of water or a range established during the latest stack test. The Preventive Maintenance Plan for this unit shall contain troubleshooting contingency and corrective actions for when the pressure reading is outside of the above mentioned range for any one reading.

The instrument used for determining the pressure shall comply with Condition C.10 - Pressure Gauge Specifications, be subject to approval by IDEM, OAM, and be calibrated at least once every six (6) months.

D.1.3 Daily Visible Emissions Notations

Daily visible emission notations of the abrasive cleaning stack exhaust shall be performed during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal. For processes operated continuously anormal@ means those conditions prevailing, or expected to prevail, 80 percent of the time the process is in operation, not counting startup or shut down time. In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions. A trained employee is an employee who has worked at the plant at least one month and has been trained in the appearance and characteristics of normal visible emissions for that specific process. The Preventive Maintenance Plan for this unit shall contain troubleshooting contingency and corrective actions for when an abnormal emission is observed.

D.1.4 Broken Bag or Failure Detection

In the event that bag failure has been observed:

- (a) The affected compartments shall be shut down immediately until the units have been replaced.
- (b) Based upon the findings of the inspection, any additional corrective actions shall be devised within eight (8) hours of discovery and shall include a timetable for completion.

SECTION D.7 FACILITY OPERATION CONDITIONS

One (1) Thin Film Line II:

- (1) One (1) Powder Spray Booth equipped with powder reclaim and a thirty two (32) gun electrostatic air atomized spray application system, identified as EU19 and rated at 750 pounds virgin power per hour, with particulate matter controlled by a cartridge dust collector identified as CE4, and exhausting at one (1) stack identified as S/V6;
- (2) One (1) Powder Spray Booth equipped with powder reclaim and a thirty two (32) gun electrostatic air atomized spray application system, identified as EU37 and rated at 750 pounds virgin power per hour, with particulate matter controlled by a cartridge dust collector identified as CE14, and exhausting at one (1) stack identified as unlabeled;
- (3) Three (3) natural gas fired process ovens, rated at 12.8 million (MM) British thermal units (Btu) per hour each and identified as EU16, EU17 and EU18, exhausting at one (1) stack identified as S/V5.

Emissions Limitations and Standards [326 IAC 2-8-4(1)]

D.7.1 Particulate Matter

Pursuant to 326 IAC 6-1-2 (Particulate Emission Limitations), the particulate matter emissions from each powder spray booth system shall not exceed 0.03 grains per dry standard cubic foot.

D.7.2 Natural Gas Fuel

The three (3) process ovens, rated at 12.8 million British thermal units per hour each, shall use only natural gas fuel.

Compliance Monitoring Requirements [326 IAC 2-8-5(a)(1)]

D.7.3 Pressure Drop Readings

The Permittee shall take readings of the total static pressure drop across each baghouse controlling each operation, at least once per day when the powder coating systems are in operation. Unless operated under conditions for which the Preventive Maintenance Plan specifies otherwise, the pressure drop across each baghouse shall be maintained within the range of 1.0 and 6.0 inches of water or a range established during the latest stack test. The Preventive Maintenance Plan for each unit shall contain troubleshooting contingency and corrective actions for when the pressure reading is outside of the above mentioned range for any one reading.

The instrument used for determining the pressure shall comply with Condition C.10 - Pressure Gauge Specifications, be subject to approval by IDEM, OAM, and be calibrated at least once every six (6) months.