

STATE OF DELAWARE  
DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL CONTROL  
AIR POLLUTION CONTROL PERMIT APPLICATION

AQM-11  
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APPLICATION FOR PERMITTING AUTOBODY SHOPS

Attach all additional information (manufacturer specifications, MSDS, diagrams, etc.).  
Attachments may be submitted electronically.

DEPARTMENT USE ONLY

1. Name of Auto Body Shop DBA Auto Collision & Repair  
MAC Auto Center Inc.

2. Date of Application

8-20-19

Permit Number  
APC-2020/0022-C/O

3. Physical Location (Street Address) City County Zip Code

413 North Bedford St. Georgetown Sussex 19947

4. Mailing Address City County Zip Code

413 North Bedford St. Georgetown Sussex 19947

Received Stamp

5. Name of Owner

Steve & Martha Connolly

6. Name of Person Signing This Application

David A. Lawrence Jr.

7. Title of Person Signing This Application

General Manager

8. Telephone

302-856-7070

9. A current Environmental Permit Application Background Statement is necessary in order to complete this application. Please check the corresponding box below:

☒ ☐

An Environmental Permit Application Background Statement is attached.

An Environmental Permit Application Background Statement has been submitted within the last 5 years.

10. Provide the make and model of the ventilated sander used at your shop. Attach a manufacturer's specification or vendor data sheet. Attachments may be submitted electronically.

Ventilated Sander (MAKE) None (MODEL)

11. Provide the number of spray booths at your shop and the make and model of each spray booth.

Number of Spray Booths 1 Make/Model Saima Super Kleen

The manufacturer's specification or vendor data sheet should provide the following information at a minimum:

- (1) Dimensions of the spray booth, L 23'8" x 13'w x 8'10" High
- (2) Stack exhaust exit velocity (fps) or exhaust flow rate (acfm) from the spray booth, 10,000 acfm
- (3) Stack height (from grade) and diameter of the spray booth exhaust stack, 9'1" 2'x2'
- (4) Removal efficiency of the filters used in the spray booth, and See Attached
- (5) Recommended pressure drop across the filters used in the spray booth. See Attached
- (6) Distance of exhaust stack to nearest property line in feet (ft), 36'

Attach a manufacturer's specification or vendor data sheet. Attachments may be submitted electronically.

12. Provide the number of spray guns and other coating applicators used at the shop along with the make and model of each. Attach a manufacturer's specification or vendor data sheet for each spray gun and coating applicator. Attachments may be submitted electronically.

MAKE: 3M MODEL: Accuspray HG18 Tip size (mm): 1.2, 1.3, 1.4, 1.8, 2.0 Flow Rate (g/s or oz/min):  
MAKE: Tekna MODEL: Pro-tec 70367 Tip size (mm): 1.2, 1.3, 1.4 Flow Rate (g/s or oz/min):  
MAKE: Sata MODEL: Jet 500 BRP Tip size (mm): 1.4 Flow Rate (g/s or oz/min):

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13. **Provide a list** of ALL of the coatings, reducers, catalysts, surface preparation products, and cleanup solvents used in the shop. Attach additional pages as needed. **Attach a Material Safety Data Sheet and Certified Product Data Sheet for each material. Also, attach the most recent 12-month VOC usage report from your coating supplier.** Attachments may be submitted electronically.

Coating(s) \_\_\_\_\_  
Reducer(s) \_\_\_\_\_  
Catalyst(s) \_\_\_\_\_  
Surface Preparation Product \_\_\_\_\_  
Cleanup Solvents \_\_\_\_\_  
Other \_\_\_\_\_

14. **Attach a shop plot plan or diagram** or draw one here describing the location of your spray booths and stacks. Include the distance to your nearest neighbor or property line (in feet). Attachments may be submitted electronically.

I, the undersigned, hereby certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all of its attachments as to the truth, accuracy, and completeness of this information. I certify based on information and belief formed after reasonable inquiry, the statements and information in this document are true, accurate, and complete. By signing this form, I certify that I have not changed, altered, or deleted any portions of this application. I acknowledge that I cannot commence construction, alteration, modification or initiate operation until I receive written approval (i.e. permit, registration, or exemption letter) from the Department. I acknowledge that I may be required to perform testing of the equipment to receive construction or operation approval, and that if I do not receive approval to construct or operate that I can appeal the decision. **I understand that every field on this application must to be filled out completely, or this application will be deemed incomplete and returned without further processing.**

David A. Lawson Jr.  
Owner or Authorized Agent

[Signature]  
Signature of Owner or Authorized Agent

8-20-19  
Date

Please submit this application and required fees to:

**DNREC Division of Air Quality**

Air Quality Management  
Attention: Laura Bogus  
655 S. Bay Rd., Suite 5N  
Dover, DE 19901  
302.739.9402

Make checks payable to: State of Delaware

**PAINT ARRESTANCE FILTER TEST REPORT**  
Spray Removal Efficiency & Paint Holding Capacity

Tested for: **Air Flow Technology Inc.**  
Filter Mfr.: **Air Flow Technology Inc.**  
Filter Name: **E28, 3"**  
Report#./Test#: **R 880 T 980**  
Report Date: **November 20, 2008**

**Test Information**

**FILTER DESCRIPTION:**

Orange/white fiberglass pad

**PAINT DESCRIPTION:**

High Solids Baking Enamel (S.W. #1 Permaclad 2400, red)

**PAINT SPRAY METHOD:**

Conventional Air Gun at 40 PSI

**SPRAY FEED RATE:**

139 gr./min.

130 cc./min.

**AIR VELOCITY:**

150 FPM

**Test Results**

**INITIAL PRESSURE DROP of Clean Test Filter**

0.03 in. water

**FINAL PRESSURE DROP of Loaded Test Filter**

0.06 in. water

**WEIGHT GAIN on TEST FILTER & Test Frame Trough**

4086 grams

**PAINT HOLDING CAPACITY of TEST FILTER**

1000 grams = 2.2 lbs.

**PAINT RUN-OFF**

3086 grams

**WEIGHT GAIN on FINAL FILTER**

22.4 grams = **PENETRATION**

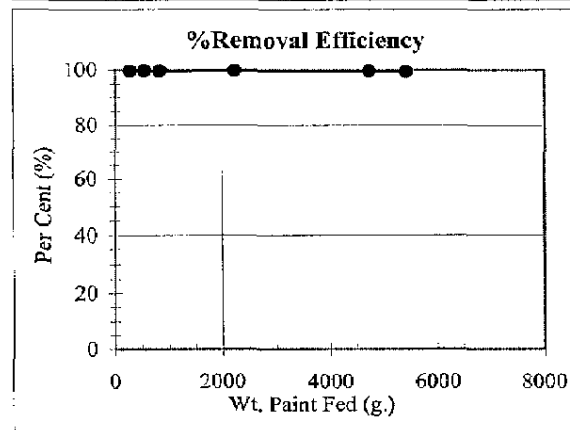
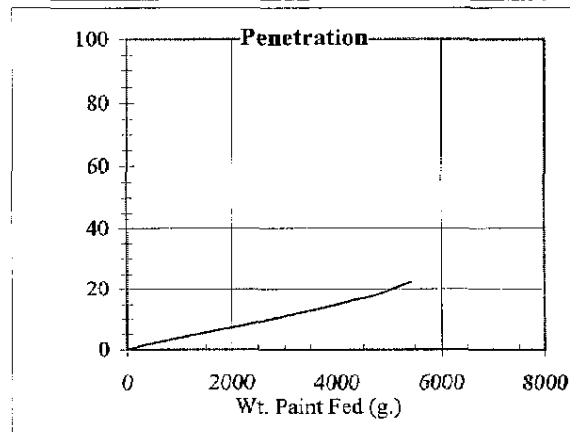
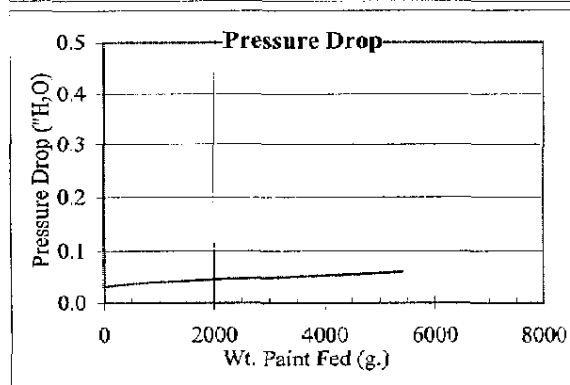
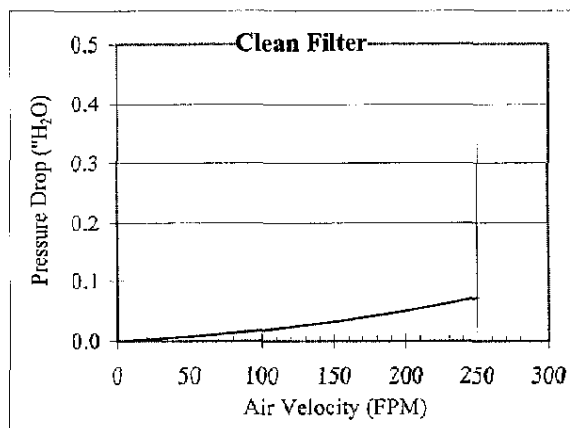
**AVERAGE REMOVAL EFFICIENCY of TEST FILTER**

99.45 %

**COMPLIANT WITH 40 CFR PART 63 NESHAP**

Test Engineer: Todd Kruger

Supervising Engineer: K. C. Kwok, Ph.D.

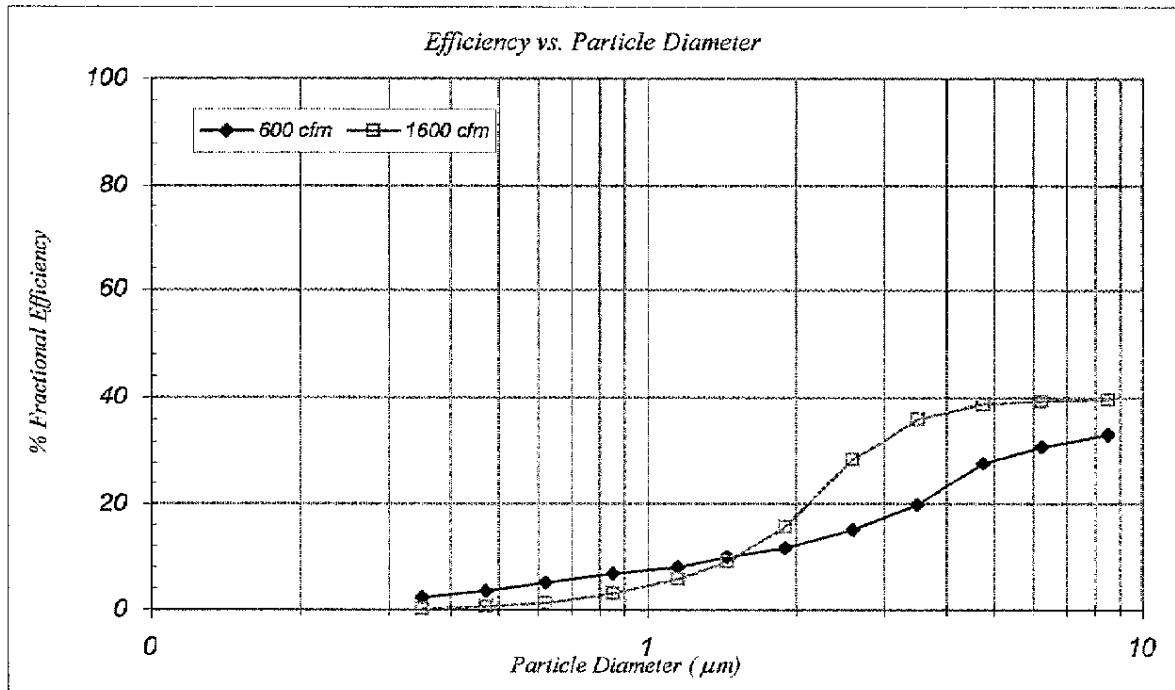


**FRACTIONAL EFFICIENCY TEST REPORT****LMS Technologies, Inc.**6423 Cecilia Circle  
Bloomington, MN 55439Tel.: (952)-918-9060  
Fax: (952) 918-9061

**Test Type :** Initial 52.2  
**Test Number:** T122707A  
**Media/Filter Size:** 24 x 24 x 15  
**Test Aerosol:** KCL, Neutralized

**Test Requested by:** Airflow Technology  
**Media Manufacturer:**  
**Filter Manufacturer:**  
**Media/Filter ID Number:** 2 Pocket Scrim 1075

Flow Rate	600 cfm	1600 cfm
Size Range ( $\mu\text{m}$ )	% Efficiency	
$\Delta P$ ("H <sub>2</sub> O)	0.024	0.106
0.3-0.4	2.3	0.2
0.4-0.55	3.6	0.7
0.55-0.7	5.2	1.3
0.7-1.0	6.8	3.1
1.0-1.3	8.0	5.8
1.3-1.6	9.9	9.1
1.6-2.2	11.6	15.7
2.2-3.0	15.1	28.6
3.0-4.0	19.9	36.1
4.0-5.5	27.9	38.8
5.5-7.0	31.1	39.4
7.0-10.0	33.5	39.7



TEST SUPERVISOR  
 MICK FLOM

ENGINEERING APPROVAL  
 K.C. KWOK, PH.D.