



DEPARTMENT OF NATURAL RESOURCES

MISSOURI AIR CONSERVATION COMMISSION

PERMIT TO CONSTRUCT

Under the authority of RSMo 643 and the Federal Clean Air Act the applicant is authorized to construct the air contaminant source(s) described below, in accordance with the laws, rules and conditions as set forth herein.

Permit Number: 102010-001 Project Number: 2008-11-023

Parent Company: Aluminum Finishers, LLC

Parent Company Address: P.O. Box 519, Monett, MO 65708

Installation Name: Aluminum Finishers, LLC

Installation Address: 298 East Cedar Street, Granby, MO 64844

Location Information: Newton County, S06, T25, R30

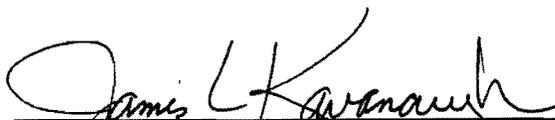
Application for Authority to Construct was made for:

A dual purpose eight station 423.28 pounds per hour powder coating booth that is also capable of 12.60 gallon per hour wet spray painting and a natural gas drying/curing oven with two burners each rated at 1.5 million British Thermal unit per hour (MMBtu/hr). The curing oven has a 120 foot long conveyor passing through the oven at 10 feet per minute. This review was conducted in accordance with Section (6), Missouri State Rule 10 CSR 10-6.060, *Construction Permits Required*.

- Standard Conditions (on reverse) are applicable to this permit.
- Standard Conditions (on reverse) and Special Conditions are applicable to this permit.

OCT - 5 2010

EFFECTIVE DATE


DIRECTOR OR DESIGNEE
DEPARTMENT OF NATURAL RESOURCES

STANDARD CONDITIONS:

Permission to construct may be revoked if you fail to begin construction or modification within two years from the effective date of this permit. Permittee should notify the Air Pollution Control Program if construction or modification is not started within two years after the effective date of this permit, or if construction or modification is suspended for one year or more.

You will be in violation of 10 CSR 10-6.060 if you fail to adhere to the specifications and conditions listed in your application, this permit and the project review. In the event that there is a discrepancy between the permit application and this permit, the conditions of this permit shall take precedence. Specifically, all air contaminant control devices shall be operated and maintained as specified in the application, associated plans and specifications.

You must notify the departments' Air Pollution Control Program of the anticipated date of start up of this (these) air contaminant source(s). The information must be made available not more than 60 days but at least 30 days in advance of this date. Also, you must notify the Department of Natural Resources Regional office responsible for the area within which you are located within 15 days after the actual start up of this (these) air contaminant source(s).

A copy of this permit and permit review shall be kept at the installation address and shall be made available to Department of Natural Resources' personnel upon request.

You may appeal this permit or any of the listed special conditions to the Administrative Hearing Commission (AHC), P.O. Box 1557, Jefferson City, MO 65102, as provided in RSMo 643.075.6 and 621.250.3. If you choose to appeal, you must file a petition with the AHC within 30 days after the date this decision was mailed or the date it was delivered, whichever date was earlier. If any such petition is sent by registered mail or certified mail, it will be deemed filed on the date it is mailed. If it is sent by any method other than registered mail or certified mail, it will be deemed filed on the date it is received by the AHC.

If you choose not to appeal, this certificate, the project review and your application and associated correspondence constitutes your permit to construct. The permit allows you to construct and operate your air contaminant source(s), but in no way relieves you of your obligation to comply with all applicable provisions of the Missouri Air Conservation Law, regulations of the Missouri Department of Natural Resources and other applicable federal, state and local laws and ordinances.

The Air Pollution Control Program invites your questions regarding this air pollution permit. Please contact the Construction Permit Unit at (573) 751-4817. If you prefer to write, please address your correspondence to the Missouri Department of Natural Resources, Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102-0176, attention: Construction Permit Unit.

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Permit No.	
Project No.	2008-11-023

SPECIAL CONDITIONS:

The permittee is authorized to construct and operate subject to the following special conditions:

The special conditions listed in this permit were included based on the authority granted the Missouri Air Pollution Control Program by the Missouri Air Conservation Law (specifically 643.075) and by the Missouri Rules listed in Title 10, Division 10 of the Code of State Regulations (specifically 10 CSR 10-6.060). For specific details regarding conditions, see 10 CSR 10-6.060 paragraph (12)(A)10. "Conditions required by permitting authority."

Aluminum Finishers, LLC
Newton County, S06, T25, R30

1. Emission Limitation for Volatile Organic Compounds (VOCs)
 - A. Aluminum Finishers, LLC shall emit less than 250.0 tons of VOCs from the entire installation in any consecutive 12-month period.
 - B. Attachment A or equivalent forms approved by the Air Pollution Control Program shall be used to demonstrate compliance with Special Conditions 1.A. Aluminum Finishers, LLC shall maintain all records required by this permit for not less than five (5) years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request. These records shall include Material Safety Data Sheets (MSDS) for all materials used in this equipment.
 - C. Aluminum Finishers, LLC shall report to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten (10) days after the end of the month during which the records from Special Condition Number 1.B. indicate that the source exceeds the limitation of Special Conditions Number 1.A.
2. Emission Limitation for Particulate Matter less than 10 microns in diameter (PM₁₀)
 - A. Aluminum Finishers, LLC shall emit less than 15.0 tons of Particulate Matter less than 10 microns in diameter from the entire installation in any consecutive 12-month period.
 - B. Attachment B or equivalent forms approved by the Air Pollution Control Program shall be used to demonstrate compliance with Special Conditions 2.A. Aluminum Finishers, LLC shall maintain all records required by this permit for not less than five (5) years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request.
 - C. Aluminum Finishers, LLC shall report to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102,

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SPECIAL CONDITIONS:

The permittee is authorized to construct and operate subject to the following special conditions:

no later than ten (10) days after the end of the month during which the records from Special Condition Number 2.B. indicate that the source exceeds the limitation of Special Conditions Number 2.A.

3. Required Operating Conditions for Powder Coat and Spray Paint Booth Arrestor Filters.

- A. Aluminum Finishers, LLC shall control emissions from both the EU-01 paint spray booths or EU-03 when it is being used as a powder coating booth by using paint arrestor filter as specified in the permit application. The arrestor filters shall be operated and maintained in accordance with the manufacturer's specifications. The filters shall be equipped with a gauge or meter, which indicates the pressure drop across the filter. These gauges or meters shall be located such that the Department of Natural Resource employees may easily observe them. Replacement filters shall be kept on hand at all times. The filters shall be made of fibers appropriate for operating conditions expected to occur (i.e. temperature limits, acidic and alkali resistance, and abrasion resistance).
- B. Aluminum Finishers, LLC shall monitor and record the operating pressure drop across the filters at least once every 24 hours. The operating pressure drop shall be maintained within the design conditions specified by the manufacturer's performance warranty.
- C. Aluminum Finishers, LLC shall maintain an operating and maintenance log for the filters which shall include the following:
 - 1.) Incidents of malfunction, with impact on emissions, duration of event, probable cause, and corrective actions; and
 - 2.) Maintenance activities, with inspection schedule, repair actions, and replacements, etc.

4. Required Operating Conditions for Thinner, Paints and Solvents.

Aluminum Finishers, LLC shall keep the thinners, paints, solvents, and cleaning solutions in sealed containers whenever the materials are not in use. Aluminum Finishers, LLC shall provide and maintain suitable, easily read, permanent markings on all thinners, paints, solvents, and cleaning solution containers used with this equipment.

5. Paved Haul Road Control

Aluminum Finishers, LLC shall control fugitive emissions from 0.1 miles of haul road at this site by paving and washing/cleaning.

- A. Aluminum Finishers, LLC shall pave with materials such as asphalt, concrete, and/or other material(s). If materials other than asphalt or

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SPECIAL CONDITIONS:

The permittee is authorized to construct and operate subject to the following special conditions:

concrete are used, Aluminum Finishers, LLC must receive approval from the Air Pollution Control Program. The pavement shall be applied in accordance with industry standards for such pavement so as to achieve control of fugitive emissions while the plant is operating.

- B. Maintenance and/or repair of the road surface shall be conducted as necessary to ensure that the physical integrity of the pavement is adequate to achieve control of fugitive emissions from these areas.

REVIEW OF APPLICATION FOR AUTHORITY TO CONSTRUCT AND OPERATE
SECTION (6) REVIEW

Project Number: 2008-11-023
Installation ID Number: 145-0063
Permit Number:

Aluminum Finishers, LLC
298 East Cedar Street
Granby, MO 64844

Complete: 02/27/2009

Parent Company:
Aluminum Finishers, LLC
P.O. Box 519
Monett, MO 65708

Newton County, S06, T25, R30

REVIEW SUMMARY

- A dual purpose eight station 423.28 pounds per hour powder coating booth that is also capable of 12.60 gallon per hour wet spray paint operation, a natural gas drying oven with two burners each rated at 1.5 million British thermal unit per hour (MMBtu/hr) that has a 120 foot long conveyor passing through at 10 feet per minute.
- Hazardous Air Pollutant (HAP) emissions are expected from the proposed equipment. HAPs of concern from this process are glycol ethers (CAS # 20-10-0), ethyle benzene (CAS # 100-41-4), xylene (CAS # 131-11-3), dimethyl phthalate (CAS # 131-11-3), toluene (CAS # 108-88-3), methyl isobutyl ketone (CAS # 108-10-1).
- None of the New Source Performance Standards (NSPS) apply to the proposed equipment.
- Subpart M of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) regulations applies to this installation. The Maximum Achievable Control Technology (MACT) standard, 40 CFR Part 63, Subpart M, National Emission Standards for Surface Coating of Miscellaneous Metal Parts and Products applies to the proposed equipment.
- Electrostatic spray gun and fabric filters in the booth areas are being used to control the particulate emission from the equipment in this permit.
- This review was conducted in accordance with Section (6) of Missouri State Rule 10 CSR 10-6.060, *Construction Permits Required*. Potential emissions of HAPs are above major source levels. VOCs have been limited to less than 250.0 tons per year below major source levels. PM₁₀ has been limited to less than 15.0 tons per year to avoid increment modeling.

- This installation is located in Newton County, an attainment area for all criteria air pollutants.
- This installation is not on the List of Named Installations [10 CSR 10-6.020(3)(B), Table 2].
- Ambient air quality modeling was performed to determine the ambient impact of the following HAPs: glycol ethers (CAS # 20-10-0), ethyle benzene (CAS # 100-41-4), xylene (CAS # 131-11-3), dimethyl phthalate (CAS # 131-11-3), toluene (CAS # 108-88-3), methyl isobutyl ketone (CAS # 108-10-1). No model is currently available which can accurately predict ambient ozone concentrations caused by this installation's VOC emissions.
- Options selected for compliance verification by MACT MMMM could require emissions testing.
- A Part 70 operating permit application is required for this installation within 30 days from permit issuance.
- Approval of this permit is recommended with special conditions.

INSTALLATION/PROJECT DESCRIPTION

The mailing address is in Monett, Missouri but the plant is located at 298 Cedar Street in Granby, Missouri in Newton County. Aluminum Finishers, LLC applies coatings to architectural subsections which are required to meet the specifications of Architectural Aluminum Manufacturers Association publication number AAMA 605.2-2000. They are a high performance architectural coating manufacturer that uses aluminum extrusions to make prefabricated metal storefronts. The installation is a major source for HAPs and is required to obtain a P70 operating permit. The installation took a 15.0 ton per year limit on PM₁₀ emissions to avoid increment modeling.

EP-01 is the eight station painting spray booth area which consists of a total of eight stacks, S1 through S8, where a combination of three coats of primer and paint are applied. This work area has the option to apply powder coating. Aluminum extrusions enter the paint booth area consisting of eight booths. The extrusions proceed through the booths and the coatings are applied. When utilized for wet painting the first two booths apply the primer or base coat, and the following booths apply the remaining color or clear coats. When utilized for powder coating, all of the booths can apply powder coating. The extrusions then proceed to the drying oven for final curing, to the coating manufacture's specifications, of the applied coatings.

An electrostatic paint system is utilized to minimize overspray. A percent transfer efficiency is used for the spray guns. A paint arrestor filter is given a value of 90 percent for control of particulate matter.

Powder coating systems capture and recirculate overspray material and therefore, are considered in terms of a "utilization rate" rather than a transfer efficiency. Most facilities achieve a powder utilization rate of 90 to 95 percent. This facility was assigned a conservative value of 90 percent. This implies that 10 percent of the powder re[ports to the control filter. Also, the paint arrestor filter was assigned 90 percent for control of particulate matter and would apply when the powder coating is being utilized. Although powders are essentially 100 percent solids, they may produce small quantities of organic materials which may be released during the curing process. Up to 5 weight percent of VOC's can be released from powders during the curing process. Most powder overspray can be reclaimed and reused; however some reclaimed overspray must be reprocessed because it may contain larger and heavier granules that are not acceptable for reuse. The value of 5 percent VOC content was used in the calculation of the Potential to Emit (PTE) for the powder coating operation. Powder coating can not occur while the wet painting is being done in the same station of the booth. Therefore, PTE of the installation utilizes the worst case pollutant from worst case operation.

The eight individual work station booths can either wet spray or use powder coating but not operate both the same time in the same station. Some of the eight stations could be powder coating and other stations wet spraying. When coated, the extrusions are then sent for an oven pass. The natural gas fired drying oven EP-02 has two burners rated at 1.5 MMBtu/hr each. The oven is exhausted through stack S9. The oven with a conveyor inside is 120 feet long and the conveyor passes through it at a maximum rate of 10 feet per minute to allow the proper cure time for the coating by the coating supplier. The curing time can be varied by slowing the speed of the belt. The oven is fired by natural gas and is designed to operate within the 400 to 500 Fahrenheit range.

The application indicated that a 0.1 miles haul road that is paved was used at the site to deliver materials and ship product. The emissions from this road were counted in the plant over all PTE. Haul Road emissions were taken from AP-42, 13.2.1 Paved Roads.

No other emission sources have been reported by the installation. The material arrives at the plant having received a phosphate wash at Architectural Systems, Inc., 707 W. Highway 60, Monett, MO 65708 in Barry county with plant and county identification number 145-0063.

No permits have been issued to Aluminum Finishers, LLC from the Air Pollution Control Program.

The installation is considered major for HAPs. The MACT, Subpart M MMMM will apply to the equipment associated with this project. A MACT, Subpart M MMMM facility using high performance coatings has the option to comply with the emission limit for high performance coating operations using the compliant materials approach, the emission rate without add-on controls approach, or the emission rate with add on controls approach. The rule also allows for a facility specific emission limit approach. Therefore, this project is not subject to the requirements of Missouri Rule 10 CSR 10-6.060, Section (9), Hazardous Air Pollutant Permits even though the potential to emit for several individual HAPs and the combined HAPs exceed the Major Source levels of 10.0/25.0 tons per year, respectively.

EMISSIONS/CONTROLS EVALUATION

The emission factors and control efficiencies used in this analysis were obtained from the Environmental Protection Agency (EPA) document AP-42, *Compilation of Air Pollutant Emission Factors*, Fifth Edition, section number 1.4, *Natural Gas Combustion* (1998) and section number 13.2.1 *Paved Roads* (2003). Potential emissions of the application represent the potential of the new equipment, assuming continuous operation (8760 hours per year.) The following table provides an emissions summary for this project.

The paint consumption calculations are based on a mass balance approach. A nozzle rate of 6.24 gallon per hour, a load rate of 2.5 racks per minute with 160 square feet of material to be painted per rack, and the spray application rate is of 2.5 minutes per rack.

EP-01 is determined to have a Maximum Hourly Design Rate of 12.565 gallons per hour. A paint transfer efficiency of 75 percent was applied for the use of electrostatic system to limit overspray, which is subsequently controlled through the use of fabric filters in the booth areas. The fabric filters were assigned a control efficiency of 90 percent. These controls would not be impacted by conveyor speed.

The installation provided a powder coat maximum hourly design rate of 52.91 pounds per hour for a single gun. The powder utilization rate was 90 percent and the filter control was 90 percent. This rate was projected at 8760 hours per year to determine the PTE of PM₁₀. Powder coating can not occur while the wet painting is being done in the same station of the booth. Therefore, PTE of the installation utilizes the worst case pollutant from worst case operation. The VOC PTE when using wet paint coating (454.15 VOC tons per year) was much higher than those times when the booth is being used for powder coating (11.59 tons of VOC per year). Since the PM₁₀ value is higher (18.64 PM₁₀ tons per year) for powder coating than wet spray coating (6.29 PM₁₀ tons per year) it was used in the PTE calculation for PM₁₀ totals.

Table 1: Emissions Summary (tons per year)

Pollutant	Regulatory De Minimis Levels	Existing Potential Emissions	Existing Actual Emissions	Potential Emissions of the Application	New Installation Conditioned Potential
PM ₁₀	15.0	N/A	N/A	18.64	<15.0
SOx	40.0	N/A	N/A	0.01	N/D
NOx	40.0	N/A	N/A	1.31	N/D
VOC	40.0	N/A	N/A	454.15	<250.0
CO	100.0	N/A	N/A	1.10	N/D
HAPs	10.0/25.0	N/A	N/A	367.29	N/D
Glycol Ethers	5*	N/A	N/A	63.90	N/D
Ethyle Benzene	10.0	N/A	N/A	16.41	N/D
Xylene	10.0	N/A	N/A	70.68	N/D
Dimethyl Phthalate	10.0	N/A	N/A	80.09	N/D
Toluene	10.0	N/A	N/A	54.10	N/D
Methyl Isobutyl Ketone	10.0	N/A	N/A	82.11	N/D

N/A = Not Applicable; N/D = Not Determined.

* The HAP is listed at the Screen Modeling Action Level (SMAL); it is not a De Minimis level.

PERMIT RULE APPLICABILITY

This review was conducted in accordance with Section (6) of Missouri State Rule 10 CSR 10-6.060, *Construction Permits Required*. Potential emissions of HAPs are at major source levels. VOC's are limited to below major source levels. PM₁₀ is limited to below de minimis levels to avoid increment modeling.

APPLICABLE REQUIREMENTS

Aluminum Finishers, LLC shall comply with the following applicable requirements. The Missouri Air Conservation Laws and Regulations should be consulted for specific record keeping, monitoring, and reporting requirements. Compliance with these emission standards, based on information submitted in the application, has been verified at the time this application was approved.

GENERAL REQUIREMENTS

- Submission of Emission Data, Emission Fees and Process Information, 10 CSR 10-6.110
The emission fee is the amount established by the Missouri Air Conservation Commission annually under Missouri Air Law 643.079(1). Submission of an Emissions Inventory Questionnaire (EIQ) is required June 1 for the previous year's emissions.
- *Operating Permits*, 10 CSR 10-6.065
- *Restriction of Particulate Matter to the Ambient Air Beyond the Premises of Origin*, 10 CSR 10-6.170
- *Restriction of Emission of Visible Air Contaminants*, 10 CSR 10-6.220
- *Restriction of Emission of Odors*, 10 CSR 10-3.090

SPECIFIC REQUIREMENTS

- *Restriction of Emission of Particulate Matter From Industrial Processes*, 10 CSR 10-6.400
- *Maximum Achievable Control Technology (MACT) Regulations*, 10 CSR 10-6.075, *National Emission Standards for Surface Coating of Miscellaneous Metal Parts and Products* applies to the spray coating equipment, 40 CFR Part 63, Subpart M
- *Maximum Allowable Emissions of Particulate Matter From Fuel Burning Equipment Used for Indirect Heating*, 10 CSR 10-3.060

AMBIENT AIR QUALITY IMPACT ANALYSIS

Screen 3 modeling was used to predict hourly concentrations for the following pollutants: glycol ethers, ethyle benzene, xylene, dimethyl phthalate, toluene, and methyl isobutyl ketone. The calculated 24-hour and annual concentrations of the pollutants were compared to the 24 -hour and annual Risk Assessment Levels (RAL) limits. Table 2 shows both the modeled concentrations along with the corresponding RAL values. The predicted concentrations of the pollutants are significantly less than the limits and thus compliant with the RAL values.

Table 2: Risk Assessment Concentrations Compared to 24-hour and Annual

Pollutant	24 Hr Modeled Impact ($\mu\text{g}/\text{m}^3$)	24 Hr RAL ($\mu\text{g}/\text{m}^3$)	Annual Modeled Impact ($\mu\text{g}/\text{m}^3$)	Annual RAL ($\mu\text{g}/\text{m}^3$)
Glycol Ethers	24.3	450	N/A	N/A
Ethyle Benzene	6.3	360	1.3	300
Xylene	26.9	250	5.4	11.8
Dimethyl Phthalate	30.5	40	N/A	N/A
Toluene	20.6	400	4.1	20
Methyl Isobutyle Ketone	31.2	84	6.3	55.7

The MHDR of HAP are calculated based of the highest weight percent of individual HAPs (worse case) being used in the coating. The yearly amount based on 8760 hours was used to establish the one hour rate. EPA approved conversion factors (0.4 and 0.08) were used to compute concentrations for longer averaging periods. The 24 hour average equals the one-hour rate multiplied by 0.4. The annual average equals the one hour rate multiplied by 0.08.

STAFF RECOMMENDATION

On the basis of this review conducted in accordance with Section (6), Missouri State Rule 10 CSR 10-6.060, *Construction Permits Required*, I recommend this permit be granted with special conditions.

Tim Hines
Environmental Engineer

Date

PERMIT DOCUMENTS

The following documents are incorporated by reference into this permit:

- The Application for Authority to Construct form, received 11/13/2008, designating Aluminum Finishers, LLC as the owner and operator of the installation.
- U.S. EPA document AP-42, *Compilation of Air Pollutant Emission Factors*, Fifth Edition.
- Southwest Regional Office Site Survey, dated December 05, 2008.

Attachment A – Monthly VOC Emissions Tracking Record

Aluminum Finishers, LLC
 Newton County, S06, T25, R30
 Project Number: 2008-11-023
 Installation ID Number: 145-0063
 Permit Number: _____

This sheet covers the month of _____ in the year _____.

Copy this sheet as needed.

Column 1	Column 2 (a)	Column 3	Column 4	Column 5
Material Used (Name, Type)	Amount of Material Used (Include Units)	Density (lbs/gal)	VOC Content (Weight %)	VOC Emissions (Tons)
(b) Total VOC Emissions Calculated for this Month in Tons:				
(c) 12-Month VOC Emissions Total from Previous Month's Worksheet A, in Tons:				
(d) Monthly VOC Emissions Total (b) from Previous Year's Worksheet A, in Tons:				
(e) Current 12-month Total of VOC Emissions in Tons: [(b) + (c) - (d)]				

Instructions: Choose appropriate VOC calculation method for units reported:

- (a) 1) If usage is in tons - [Column 2] x [Column 4] = [Column 5];
 - 2) If usage is in pounds - [Column 2] x [Column 4] x [0.0005] = [Column 5];
 - 3) If usage is in gallons - [Column 2] x [Column 3] x [Column 4] x [0.0005] = [Column 5].
 - (b) Summation of [Column 5] in Tons;
 - (c) 12-Month VOC emissions total (e) from last month's Worksheet A, in Tons;
 - (d) Monthly VOC emissions total (b) from previous year's Worksheet A, in Tons;
- Calculate the new 12-month VOC emissions total. A 12-Month VOC emissions total (e) of less than 250.0 tons indicates compliance.

Attachment B – Monthly PM₁₀ Emissions Tracking Record

Aluminum Finishers, LLC
 Newton County, S06, T25, R30
 Project Number: 2008-11-023
 Installation ID Number: 145-0063
 Permit Number: _____

This sheet covers the month of _____
 (month)

Copy this sheet as needed

Column 1	Column 2	Column 3	Column 4	Column 5	Column 6
PM₁₀ Emissions from wet spray booth					
Material Used (Name)	Amount of Material Used (Gallons)	Density (Pounds per Gallon)	Solids Content (Weight %)	Control & Transfer Efficiency	PM ₁₀ Emissions (Tons) (a1)
				0	
(b1) Total PM₁₀ Emissions from spray booth Calculated for this Month in Tons:					
PM₁₀ Emissions from powder coat					
Material Used (Name)	Amount of Material Used (pounds)	Hours Operated	Control & Utilization Rate	Conversion from Pounds to Tons	PM ₁₀ Emissions (Tons) (a2)
				0.0005	
				0.0005	
				0.0005	
				0.0005	
(b2) Total PM₁₀ Emissions from powder coat calculated for this Month in Tons:					
(c) Total of PM₁₀ Emissions from spray booth and from powder coat (b1+ b2) Tons:					
(d) 12-Month PM₁₀ Emissions Total from Previous 12 Months Attachment B in Tons:					
(e) Monthly PM₁₀ emissions from Previous Year's Attachment B in Tons:					
(f) Current 12 month Total of PM₁₀ Emissions in Tons: [(c) + (d) - (e)]					

INSTRUCTIONS:

- (a1) {Column 2} x {Column 3} x {Column 4} x {Column 5 for wet spray use (0.25 times 0.1)} x [0.0005] = {Column 6} Note: 0.75 transfer and 0.90 control
- (b1) Summation of {Column 6} for Spray Booth in Tons;
- (a2) {Column 2} x {Column 3} x {Column 4 for powder coat use (0.1 times 0.1)} x {Column 5} = {Column 6} Note: 0.90 utilization rate and 0.90 control
- (b2) Summation of {Column 6} for powder coat emissions from Spray Booth in Tons;
- (c) Add b1 + b2 = total of PM₁₀ emissions form wet spray and power coating.
- (d) 12-Month PM₁₀ Emissions Total from Previous 12 Months Attachment B in Tons.
- (e) 12-Month PM₁₀ Emissions Total from Previous Years 12 Month Attachment A in Tons.
- (f) Current 12-Month PM₁₀ emissions total Attachment A, in Tons.
- (g) 12-Month PM₁₀ emissions total of less than 15.0 tons indicates compliance**