

Mail To: SCAQMD P.O. Box 4944 Diamond Bar, CA 91765-0944

South Coast This form must be accompanied by a completed Application for a Permit to Construct/Operate - Forms 400-A, Form 400-CEQA, and Form 400-PS.

Tel: (909) 396-3385 www.aqmd.gov

Section A - Operato	Information					
Facility Name (Business Name	e of Operator That Appears On Permit):	Valid AQM	D Facility ID (Available On Permi	t Or Invoice Issued By AQMD):		
Address where the equipmer	t will be operated (for equipment which will be m	noved to various locations in AQ	MD's jurisdiction, please list the ir	itial location site):		
			Fixed L	ocation Various Locations		
Section B - Equipme	ent Description					
Powder Coating System	Manufacturer:	Model.:	Serial	No.:		
	Outside Dimensions: W:ftin. L:_	ft	ft	in.		
Cleaning System	Cleaning Solvents Used (attach Material Safe					
	Solvent Usage: ga	Density (lb/gal)	Density (lb/gal) lbs VOC/gal Material including H ₂ O and exempt solvents			
Collection/Recycling System	Is a cyclone present? No Yes					
Control System		· ·		Other:		
Manometers/Draft Gauges	Manometer or draft gauge installed? No. of gauges: Pressure drop across clean filters (inches of v	o Yes				
Section C - Process	Description					
Process Weight (pounds of powder used)	≤ 37 pounds/day - bags filters or pockers > 37 pounds/day - cartridge-type dust of lindicate actual amount used: Normal operation:	collector or baghouse is need	ed mum operation:	pounds/day pounds/month		
Gun Cleaning	Solvent usage, if any:		% by weight of VOC	Density (lbs/gal)		
Type of Article/Material Sprayed	Description:					
Operating Schedule	Normal: hours/day Maximum: hours/day		lays/week	weeks/yr _weeks/yr		

Form 400-E-17a

Powder Coating Operation

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Section D - Ovens									
		Preheat/Dry off Oven:	Manufacturer:	:			Model.:		
			BTU Rating:		Btu/hr (If greater than 2,000,000 Btu/hr or substrate cleaning has Volation Organic Compounds, a separate permit is required for the oven.				
Preheat/Dry Off and Curing Ovens		Fuel Type: Natural Gas		Propane		Other			
	Curing Oven:	Manufacturer:				Model.:			
			BTU Rating:		Btu/hr	than 30 p	ate permit is needed for the oven unless the oven cures less counds per day or 660 pounds per month of powder coating and is rated less than 2,000,000 Btu/hr.)		
			Fuel Type: Natural Gas		Pro	opane	Other		
Section	E - Authoriz	ation/Signature							
I hereby ce	ertify that all inform	ation contained herein and inf	formation submi	itted with this a	pplication i	s true and	correct.		
	Signature:			Name:					
Preparer	Title:	Company Name:			Phone #:		Fax#:		
Info	Title.				Email:				
	Name:				Phone #:		Fax #:		
Contact Info	Title: Company Na		Name:	Email:					

THIS IS A PUBLIC DOCUMENT

Pursuant to the California Public Records Act, your permit application and any supplemental documentation are public records and may be disclosed to a third party. If you wish to claim certain limited information as exempt from disclosure because it qualifies as a trade secret, as defined in the District's Guidelines for Implementing the California Public Records Act, you must make such claim at the time of submittal to the District.

Check here if you claim that this form or its attachments contain confidential trade secret information.

I. Calculation For Ovens											
Emission Factor	Natural Gas							Propane			
DTII Dating (MMDTII/hr).		lb/mmcf	Emission	30 Day	Yearly		lb/1000	Emission	30 Day	Yearly	
BTU Rating (MMBTU/hr): Conversion Factor:	-		(lb/hr)	Avg.	Avg.		gal	(lb/hr)	Avg.	Avg.	
BACT (ppm):	ROG					ROG					
Fuel Usage (MMBTU/hr):	- co					СО					
NOx (lbs/ppm-MMBTU):	FIVI/FIVITO					PM/PM10			·		
NOx (lbs/hr):	30x					SOx					
	- NOx					NOx					
Separate Application Is Required Is Not Required											
II. Emission Calculations From	n Powder Coat	ing									
Particulate Emissions (PM10)											
Daily Emissions	CE = Co = 0.9	nsfer efficie Introl Efficie 19 for dust o	of powder spency = 0.65 fo ency of contro collector - bag rd spray boo	or electrosta ol device ghouse/cart	itic guns (de ridge	fault)					
30 day average emission	= (daily en	nissions x nu	mber of day	s of operation	on per month	n) / 30 =				
Yearly emissions (tons/year)	= monthly emission	ns x 12 / 200	00								
	(daily en	nissions x	nur	nber of days	of operation	per month)	x 12 / 2000 =	:		
III. VOC Emissions											
Powder Coating											
Daily Emissions	= 0.01 x pounds of powder sprayed per day = Assume 1% by weight of powder sprayed is volatized										
30 day average emission	= (daily emissions x number of days of operation per month) / 30 =										
Yearly emissions (tons/year)	r) = monthly emissions x 12 / 2000										
		daily en	nissions x	nur	nber of days	of operation	n per month)	x 12 / 2000 =	·		
From Solvent Usage, Daily Emissions											
Part Cleaning											
Loss per day		% by weigl	ht of VOC x _		gallo	ns/day x		density =			
30 day average emission	= (daily emissions x number of days of operation per month) / 30 =										
Yearly emissions (tons/year)	= monthly emission	ns x 12 / 200	00								
		daily en	nissions x	nur	nber of days	of operation	n per month)	x 12 / 2000 =	·		
Gun Cleaning											
Loss per day											
30 day average emission	= (daily e	missions x n	umber of da	ys of opera	tion per mon	th) / 30 =				
Yearly emissions (tons/year)	= monthly emission	ns x 12 / 200	00								
Management and the second seco	(-	nissions x	nur	nber of days	of operation	n per month)	x 12 / 2000 =	:		
If a separate permit is required for an over	an, calculate oven er	HISSIONS.									



SAMPLE Conditions:

- OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
- 2) HIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
- 3) THIS SPRAY BOOTH SHALL NOT BE OPERATED UNLESS ALL EXHAUST AIR PASSES THROUGH FILTER MEDIA AT LEAST 2 INCHES THICK.
- 4) A GAUGE SHALL BE INSTALLED AND MAINTAINED TO INDICATE, IN INCHES OF WATER, THE STATIC PRESSURE DIFFERENTIAL ACROSS THE EXHAUST FILTERS. IN OPERATION, THE PRESSURE DIFFERENTIAL SHALL NOT EXCEED 0.25 INCH OF WATER.
- 5) THIS EQUIPMENT SHALL BE OPERATED IN COMPLIANCE WITH RULES 1107 AND 1171.
- 6) MATERIAL SAFETY DATA SHEETS FOR ALL COATINGS AND SOLVENTS USED AT THIS FACILITY SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
- 7) WET COATING SHALL NOT BE APPLIED IN THIS EQUIPMENT.
- 8) THE OPERATOR SHALL COMPLY WITH RULE 109 (RECORDKEEPING FOR VOLATILE ORGANIC COMPOUND EMISSIONS).
- 9) IN ADDITION TO THE REQUIREMENTS OF RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS FACILITY TO VERIFY CALENDAR MONTHLY VOLATILE ORGANIC COMPOUNDS (VOC) EMISSIONS IN POUNDS AND THE VOC CONTENT OF EACH MATERIAL AS APPLIED (INCLUDING WATER AND EXEMPT COMPOUNDS). ALL RECORDS SHALL BE PREPARED IN A FORMAT WHICH IS ACCEPTABLE TO THE DISTRICT.
- 10) THE VOC EMISSIONS FROM THE USE OF ANY POWDER COATINGS SHALL BE CALCULATED USING THE EMISSION FACTOR DETERMINED PURSUANT TO SCAQMD METHOD 316C. IN CASE NO LABORATORY TESTED EMISSION FACTOR IS AVAILABLE, THEN A FACTOR OF 0.01 POUND OF VOC PER POUND OF POWDER COATING SPRAYED SHALL BE USED.
- 11) THE TOTAL QUANTITY OF POWDER COATINGS USED IN THIS EQUIPMENT SHALL NOT EXCEED ______ POUNDS IN ANY ONE DAY.
- 12) THE TOTAL QUANTITY OF VOLATILE ORGANIC COMPOUND (VOC) EMISSIONS FROM ALL PERMITTED EQUIPMENT AND ASSOCIATED OPERATIONS AT THIS FACILITY SHALL NOT EXCEED 667 POUNDS IN ANY ONE CALENDAR MONTH. ASSOCIATED OPERATIONS INCLUDE, BUT ARE NOT LIMITED TO SURFACE PREPARATION, EQUIPMENT CLEANUP, AND THE APPLICATION OF ANY OTHER MATERIALS TO PARTS THAT ARE SUBSEQUENTLY PROCESSED IN THE PERMITTED EQUIPMENT.

- 13) WITHIN 14 CALENDAR DAYS AFTER THE END OF EACH MONTH, THE OPERATOR SHALL TOTAL AND RECORD VOC EMISSIONS FOR THE MONTH FROM ALL EQUIPMENT COVERED BY THE MONTHLY LIMIT. THE RECORD SHALL INCLUDE ANY PROCEDURES USED TO ACCOUNT FOR CONTROL DEVICE EFFICIENCIES AND/OR WASTE DISPOSAL. IT SHALL BE SIGNED AND CERTIFIED FOR ACCURACY BY THE HIGHEST RANKING INDIVIDUAL RESPONSIBLE FOR COMPLIANCE WITH DISTRICT RULES.
- 14) THE OPERATOR SHALL RETAIN FOR 36 MONTHS ALL PURCHASE INVOICES FOR ALL VOC-CONTAINING MATERIAL USED OR STORED AT THE FACILITY, AND ALL WASTE MANIFESTS FOR ALL WASTE VOC-CONTAINING MATERIAL REMOVED FROM THE FACILITY.
- 15) THE OPERATOR SHALL MAINTAIN A SINGLE LIST THAT INCLUDES ONLY THE NAME AND ADDRESS OF EACH PERSON FROM WHOM THE FACILITY ACQUIRED VOC-CONTAINING MATERIAL REGULATED BY THE DISTRICT THAT WAS USED OR STORED AT THE FACILITY DURING THE PRECEDING 12 MONTHS.
- 16) MATERIALS USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY TOXIC AIR CONTAMINANTS IDENTIFIED IN RULE 1401, TABLE 1
- 17) ALL RECORDS REQUIRED BY THIS PERMIT SHALL BE RETAINED AT THE FACILITY FOR 36 MONTHS, AND SHALL BE MADE AVAILABLE TO ANY DISTRICT REPRESENTATIVE UPON REQUEST.