



## APPLICATION INSTRUCTIONS FOR THE AUTHORITY TO OPERATE AND/OR CONSTRUCT A SURFACE COATING OPERATION UNDER THE GENERAL PERMIT

Facilities that qualify for an Authority to Operate (ATO) or Construct under the Maricopa County General Permit for Surface Coating Operations must use this form for applying for an ATO. Using this application, you will obtain an ATO under this General Permit faster and at a lower cost than if applying for an individual source permit. Do not use this form for amending prior applications, for adding additional pieces of equipment at existing facilities, etc.

Complete the application by typing or printing legibly. A onetime application processing fee of **\$330** must accompany your application. Applications submitted as a result of receiving a Notice of Violation (NOV) must include an additional **\$100** late fee. If a Notice of Violation was issued, additional penalties may be imposed as a result of an enforcement action. The Department will send a separate yearly billing to address the annual administrative fee. To maintain this permit, the annual administrative fee must be paid by the due date listed on your invoice. There is no fee for a permit renewal.

This general permit covers facilities which are Surface Coating Operations meeting the following criteria:

- Coating the following: cans, coils, metal furniture, large appliances, fabric, film, plastic parts and products, paper, vinyl, other metal parts and products, and/or the following coating operations: air-dried, baked, silicone release, and strippable booth.
- Powder coating.
- Coating in a manner such that the requirements of County Rule 315 are met.
- Not more specifically regulated by a County Rule, other than Rule 336.
- The combined use of coatings, solvents, and cleaning materials are less than 375 gallons per month and less than 4,500 gallons per twelve-month period.
- If a small cold cleaning unit is present, it must meet the requirements in Section B of this application and must not be a vapor degreaser, conveyORIZED degreaser or other type of degreaser other than an unheated, non-conveyORIZED, small, cold cleaning unit with or without a remote reservoir. These cleaning operations must meet the requirements of County Rule 331 "Solvent Cleaning", Section 305.1 and/or Section 305.2.
- If fuel burning equipment is used, each piece of equipment must meet the requirements in Section C of this application, be rated less than 10 million Btu per hour, and must use natural gas, propane, or butane for fuel. The combined total of all equipment with a rating greater than 300,000 Btu per hour must be less than 55 million Btu per hour.
- If abrasive blasting equipment is used, it must meet the requirements in Section D of this application and any blast booth enclosure must not use forced air exhaust.
- The maximum aggregate horsepower rating of all internal combustion engines on the site is less than 250 horsepower, the engines are used only for emergency purposes (i.e. backup generators), the engines are never used for peak shaving purposes, and the engines are fueled by either gasoline, diesel or biodiesel.

This general permit does not cover the following operations:

- Aerospace coating operations (Rule 348)
- Architectural coating, including buildings and erected structures (Rule 335)
- Marine vessel exterior refinishing
- Polyester coatings applied to polyester composites
- Printing and graphic arts coating (Rule 337)
- Semiconductor manufacturing (Rule 338)
- Coating a highway vehicle or mobile equipment (Rule 345)
- Wood: Coating Wood Furniture (Rule 342); Coating Wood Millwork (Rule 346)
- Facilities that utilize a VOC control device.
- Facilities that use a burn off oven.

The following activities are exempt from meeting the requirements addressed in Section A questions #8 and #9:

- The spray coating of buildings or dwellings, including appurtenances and any other ornamental objects that are not normally removed prior to coating,
- The spray coating of facility equipment or structures which are fixed in a permanent location and cannot easily be moved into an enclosure or spray booth and which are not normally dismantled or moved prior to coating,
- The spray coating of objects which cannot fit inside of an enclosure with internal dimensions of 10'W X 25'L X 8'H,
- Enclosures and spray booths and exhausts located entirely in a completely enclosed building, providing that any vents or openings do not allow overspray to be emitted into the outside air,
- Any coating operations utilizing only hand-held aerosol cans.

If it is found that your facility does not qualify for coverage under this general permit, the application will be forwarded for review as an individual source permit. If you are required to obtain an individual source permit, you will be billed later for any additional applicable permit fees. For questions regarding billing call (602) 372-1071.

In the application, items 1 through 14 and the Technical Section(s) which apply to your facility must be completed. Sketch or attach a sketch to show the location of the paint booths, solvent tanks, abrasive blast equipment, and heating units. If necessary, attach additional sheets to the application to provide all required information. Obtaining this ATO through fraud or misrepresentation may subject you to civil and criminal penalties.

The Maricopa County Air Pollution Control Rules and Regulations are available at the listed address. To obtain a copy, contact the Department for information and costs, or download them from our Internet site:  
[http://www.maricopa.gov/aq/divisions/planning\\_analysis/](http://www.maricopa.gov/aq/divisions/planning_analysis/)

If you need assistance completing the application package, please see our website or contact 602-506-6735.



MCAQD One Stop Shop  
 Permit Application Intake  
 501 N. 44th Street, 2nd Floor  
 Phoenix, AZ 85008-6538  
 FAX: (602) 372-1078  
<http://www.maricopa.gov/aq/>

<b>FOR OFFICIAL USE ONLY</b>
DATE RECEIVED _____
LOG NUMBER _____

## APPLICATION FOR THE AUTHORITY TO OPERATE AND/OR CONSTRUCT A SURFACE COATING OPERATION UNDER THE GENERAL PERMIT

(As required by A.R.S. §49-480 and Maricopa County Air Pollution Control Regulations, Rule 200)

READ INSTRUCTIONS FIRST. ALL APPLICANTS MUST COMPLETE ITEMS 1 THROUGH 15. ALSO COMPLETE EACH APPLICABLE SECTION A THROUGH D.

1. BUSINESS NAME: _____					
2. ADDRESS OF SITE: _____					
CITY: _____		STATE: <b>AZ</b>		ZIP CODE: _____	
3. CONTACT AT SITE: _____					
3a. TELEPHONE AT SITE: (    ) _____					
4. TYPE OF OWNERSHIP: <input type="checkbox"/> Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Sole Owner <input type="checkbox"/> Government <input type="checkbox"/> Other - Specify: _____					
5. NAME AND ADDRESS OF OWNERSHIP OR LEGAL ENTITY: _____					
6. OWNERSHIP CONTACT: _____				6a. OWNERSHIP TELEPHONE: (    ) _____	
7. SEND ALL CORRESPONDENCE TO:    COMPANY NAME: _____					
ADDRESS: _____					
CITY: _____		STATE: _____		ZIP CODE: _____	
<b>NOTE:</b> PERMIT WILL BE SENT TO EMAIL ADDRESS IN ITEM 14 BELOW.					
8. SIC (STANDARD INDUSTRIAL CLASSIFICATION) CODE(S): _____			9. EXISTING AIR POLLUTION CONTROL PERMIT NUMBER FOR THIS SITE, IF ANY: _____		
10. IF THIS APPLICATION IS SUBMITTED AS A RENEWAL APPLICATION, HAS THE OWNERSHIP OF THIS FACILITY CHANGED SINCE THE PERMIT WAS LAST ISSUED OR TRANSFERRED?    YES <input type="checkbox"/> NO <input type="checkbox"/>					
11. PROVIDE A BRIEF DESCRIPTION OF THE BUSINESS AND / OR THE PROCESS AT THE FACILITY: _____					
12. OPERATING SCHEDULE: _____		HOURS PER DAY: _____		DAYS PER WEEK: _____	
WEEKS PER YEAR: _____		13. PROJECTED START-UP DATE (NEW FACILITIES): _____			

14. THE AUTHORIZED CONTACT PERSON REGARDING THIS APPLICATION IS:

NAME: \_\_\_\_\_ TELEPHONE: \_\_\_\_\_

TITLE: \_\_\_\_\_ COMPANY: \_\_\_\_\_

EMAIL ADDRESS OF CONTACT: \_\_\_\_\_

15. I CERTIFY THAT I AM FAMILIAR WITH THE OPERATIONS AND EQUIPMENT REPRESENTED ON THIS APPLICATION AND THE STATEMENTS AND INFORMATION PROVIDED HEREIN ARE TRUE, ACCURATE, AND COMPLETE BASED ON INFORMATION AND BELIEF FORMED AFTER REASONABLE INQUIRY.

TYPE OR PRINT NAME AND TITLE OF RESPONSIBLE OFFICIAL \_\_\_\_\_

DATE: \_\_\_\_\_ SIGNATURE OF OWNER OR RESPONSIBLE OFFICIAL OF BUSINESS: \_\_\_\_\_

16. SITE DIAGRAM: Draw a site layout or attach a drawing of equipment locations at the site with approximate distances to property lines. specifically show paint booths and other spray coating areas, mixing stations, gun cleaner location(s), and waste storage areas, also, if applicable, show solvent cleaner location, fuel burning equipment, and abrasive blasting equipment.



# SECTION A. SURFACE COATING OPERATION

1. When conducting surface coating operations in accordance with County Rules 315 and 336, will the facility either:
- a. Limit the maximum volatile organic compound (VOC) content in its coatings, as applied, in accordance with the following requirements in Table 1?

Yes  No  N/A

**TABLE 1**

Type of Surface Coating	LIMITS AS APPLIED* Pounds per gallon (grams/liter)
Can Coating	
Sheet Basecoat ( Exterior & Interior ) & Overvarnish	2.8 lb/gal ( 340 g/l )
2-piece Can Exterior ( Basecoat & Overvarnish )	2.8 lb/gal ( 340 g/l )
Two and Three-Piece Can Interior Body Spray	4.2 lb/gal ( 510 g/l )
Two-Piece Can Exterior End (Spray or Roll Coat)	4.2 lb/gal ( 510 g/l )
Three-Piece Can Side-Seam Spray	5.5 lb/gal ( 660 g/l )
End Sealing Compound	3.7 lb/gal ( 440 g/l )
Can Printing Ink	2.5 lb/gal ( 300 g/l )
Coil Coating ( any coat )	2.6 lb/gal ( 310 g/l )
Metal Furniture Coating	3.0 lb/gal ( 360 g/l )
Large Appliance Coating	2.8 lb/gal ( 340 g/l )
Other Metal Parts & Products Coating ( As defined in County Rule 336 §231 )	
The following includes Non-adhesive Coating, Adhesive, Adhesive Primer, Caulking, and Beaded Sealants:	
Air-Dried Coating	3.5 lb/gal ( 420 g/l )
Baked Coating [above 200°F (93°C)]	3.0 lb/gal ( 360 g/l )
Silicone Release Coating: Baked or Air-Dried	3.5 lb/gal ( 420 g/l )
Fabric Coating	2.9 lb/gal ( 350 g/l )
Film Coating	2.9 lb/gal ( 350 g/l )
Coating Plastic Parts & Products That are not Defined as Flexible	3.5 lb/gal ( 420 g/l )
Coating Flexible Plastic Parts & Products	
Primer	4.1 lb/gal ( 490 g/l )
Color Topcoat	3.8 lb/gal ( 450 g/l )
Basecoat/Clear Coat ( Combined System ) - Limit for either coat	4.5 lb/gal ( 540 g/l )
Paper Coating, including Adhesives	2.9 lb/gal ( 350 g/l )
Vinyl Coating ( Coating on Vinyl )	3.8 lb/gal ( 450 g/l )
Strippable Booth Coatings	2.0 lb/gal ( 240 g/l )

\* VOC content minus exempt compounds: is the same as VOC Content Minus Exempt Evaporating Components, also known as " The EPA Method 24 VOC Content" on manufacturer's data sheets.

$$\text{VOC Content Minus Exempt Compounds} = \frac{W_s - W_w - W_{es}}{V_m - V_w - V_{es}}$$

where:  $W_s$  = weight of all volatile material in pounds (or grams), including VOC, water, non-precursor organic compounds and dissolved vapors

$W_w$  = weight of water in pounds (or grams)

$W_{es}$  = weight of all non-precursor compounds in pounds (or grams)

$V_m$  = volume of total material in gallons (or liters)

$V_w$  = volume of water in gallons (or liters)

$V_{es}$  = volume of all non-precursor compounds in gallons (or liters)

or,

- b. Qualify for an exemption under County Rule 336 §305?

Yes  No  N/A

To qualify for this general permit you must answer yes to 1.a. or 1.b.

2. For the applications of all surface coating containing more than 2 pounds of VOC per gallon ( 240 g/L ) minus exempt compounds, will the method(s) of application be:

- a. A low pressure spray gun? Yes  No  N/A
- b. An electrostatic system? Yes  No  N/A
- c. A system that atomizes principally by hydraulic pressure, including "airless" and "air assisted airless"?  
Yes  No  N/A
- d. A non-atomizing or non-spraying application method, such as but not limited to dipping, rolling, or brushing?  
Yes  No  N/A
- e. A method pre-approved by the Administrator of the Federal EPA and the Control Officer as having a transfer efficiency of 65% or greater?  
Yes  No  N/A
- 1. If the method is pre-approved, is the method attached?  
Yes  No  N/A
- 2. Are both approval letters attached? Yes  No  N/A

To qualify for this general permit you must answer yes to at least one category a. - e. of #2. If #2.e. is answered yes, you must answer yes to both #2.e.1. and #2.e.2..

- 3. When using VOC-containing material for the cleanup of application equipment, will you disassemble any spray gun and other application equipment and clean it in:
  - a. A container which remains covered at all times, except when the application equipment is being handled in the container, or transferred into or out of the container?  
Yes  No  N/A
  - Or,
  - b. A commercially -sold gun cleaning machine which shall be operated and maintained according to manufacturer's or distributor's instructions?  
Yes  No  N/A

To qualify for this general permit you must answer yes to 3.a. or 3.b.

- 4. Does the VOC-solvent used to clean coating application equipment, as used, have either:
  - a. A VOC-vapor pressure below 35 mm Hg at 20° C ( 68° F ),  
Or for sprayless equipment,
  - b. A solvent that has, at 20° C ( 68° F ) a total VOC vapor pressure above 35mm Hg for cleaning coating-application equipment, but only if such application equipment does not use spray devices and the same principal solvent is used for cleaning as is used in the coating?  
Yes  No  N/A

To qualify for this general permit you must answer yes to #4.

- 5. a. Will you cover and keep covered each VOC-containing material when not in use?  
Yes  No
- b. Will you store finishing and cleaning materials in closed or covered leak-free containers?  
Yes  No

c. Will you store all VOC containing materials intended for disposal including, but not limit to rags, waste coatings, waste brushes, waste rollers, waste applicators, waste solvents, and their residues, in closed leakfree containers which are legibly labeled with their contents and which remain covered when not in use?

Yes  No

To qualify for this general permit you must answer yes to #5.a., b. and c.

6. Will the total of all coatings, reducers, solvents and cleaning materials used at the facility be less than 375 gallons per month and less than 4,500 gallons per year?

Yes  No

To qualify for this general permit you must answer yes to #6.

7. Describe facility(ies) for applying coatings (booths / enclosures).  
*Attach manufacturer's specifications if helpful.*

#	ENCLOSURE OR BOOTH SIZE (LxWxH)	DATE OF INSTALLATION	DIFFERENTIAL PRESSURE MEASUREMENT DEVICE (Yes or No)	EXHAUST FAN (C.F.M.)	FILTER SYSTEM EFFICIENCY (FILTER EFFICIENCY MUST BE AT LEAST 92%)
1					
2					
3					

8. Will all spraying operations be done in such a manner that one of the following conditions (#8.a. or #8.b.) is met:

a. If equipment is operated in enclosures located outside a building will spray coating equipment be operated inside an enclosure which has at least three sides a minimum of eight feet in height and able to contain any object or objects being coated?

Yes  No  N/A

1. If the enclosure is three-sided will spray be directed in a horizontal or downward pointing manner so that overspray is directed at the walls or floor of the enclosure?

Yes  No  N/A

2. If the enclosure is a more complete enclosure, such as three sides and a roof or a complete enclosure, will spray be directed into the enclosure so that the overspray is directed away from any opening in the enclosure?

Yes  No  N/A

3. For both of #1 and #2 above, will spraying be conducted within three feet of any open end and/or within two feet of any open top of the enclosure?

Yes  No  N/A

If #8.a. is checked yes, to qualify for this general permit you must answer no to #8.a.3. and answer yes to either #8.a.1. or #8.a.2.

b. If equipment is operated with forced air exhaust vented directly outside will the spray booth:

1. Have a filtering system with an average overspray removal efficiency of at least 92% by weight for the type of material being sprayed?

Yes  No  N/A

2. Have a filtering system operating in such a manner that the filters have no gaps, sags or holes present and all exhaust discharged through the filters into the atmosphere?

Yes  No  N/A

3. If utilizing a water curtain, waterfall or other means to capture particulates in a liquid medium, effectively remove at least 92% of the overspray and be operated in a manner consistent with the manufacturer's specifications to achieve such efficiency for the type of material being sprayed?

Yes  No  N/A

If #8.a. is not checked yes, to qualify for this general permit you must answer yes to either: #8.b.1. and #8.b.2., or yes to #8.b.3.

9. All painting operations having forced air exhaust must have the exhaust discharge directly up into the air. Will all exhaust stacks, taking any rain cap or other similar devices into account, discharge vertically into the air?

Yes  No  N/A

If #8.a. is not checked yes, to qualify for this general permit you must answer yes to #9.

## SECTION B. SOLVENT CLEANING

Complete this section ONLY if you have a cold cleaning operation. Do not use this section for a gun cleaning machine which is covered in Section A of this application. Attach manufacturer's equipment specifications/literature whenever useful. Use a separate sheet for each different type of cleaning device. If this Section does not apply to the facility, mark N/A across the page.

### SECTION B DOES NOT APPLY

1. Do you have an unheated, non-conveyerized cold cleaning unit?

Yes  No

If so, what type do you have?

- a. Cold cleaner (no boiling) with remote reservoir?

Yes  No

- b. Cold cleaner (no boiling) without remote reservoir?

Yes  No

NOTE: If you have a vapor degreaser, conveyerized degreaser, or other type of degreaser, your facility is not eligible for this General Permit. Submit a Non-Title V Permit Application. If you have a degreaser, #1. must be checked yes and either, #1.a) or #1.b) must be checked yes to qualify for this general permit.

2. Manufacturer: \_\_\_\_\_

3. Model: \_\_\_\_\_

4. This question applies if you will have a degreaser with a remote reservoir.

- a. Will the cleaner have a sink-like work area or basin which slopes toward the drain and which does not allow the solvent to pool?

Yes  No  N/A

- b. Will the sink/basin area have a solvent return drain of no more than 15.5 square inches?

Yes  No  N/A

- c. Will the cleaner have a means for draining cleaned parts so that the drained solvent is returned to the reservoir?

Yes  No  N/A

If #1.a) is checked yes, to qualify for this general permit you must check yes to #4.a), b), and c).

5. This question applies if you will have a degreaser without a remote reservoir.
- a. Will the cleaner have a freeboard height of at least 6 inches? (The freeboard height is the distance between the surface of liquid and the top of the tank.)?  
 Yes  No  N/A
- b. Will the freeboard zone have a permanent, conspicuous mark that shows the maximum allowable solvent level?  
 Yes  No  N/A
- c. Will the cleaner have a cover that prevents solvent vapors from escaping into the atmosphere when the cleaner is not being used?  
 Yes  No  N/A
- d. Will the cleaner have and use an internal drainage rack or other assembly in the freeboard space that returns all dripping solvent back into the hold of the cleaner?  
 Yes  No  N/A

If #1.b) is checked yes, to qualify for this general permit you must check yes to #5.a), b), c), and d).

6. Solvent information:

- a. The solvent used must be at least 95% water or else the vapor pressure of the solvent must be no greater than 2 millimeters of mercury at 68 ° F (20 ° C) until October 31, 2001 and no greater than 1 mm of mercury after November 1, 2001. Will the solvent used by the facility meet these requirements?  
 Yes  No

To qualify for this general permit you must check yes to #6.a).

- b. Name of solvent to be used and expected quantity of solvent to be purchased annually. Include a material safety data sheet (MSDS) for the solvent to be used.

MSDS NUMBER	NAME & TYPE OF MATERIAL (Attach & number an MSDS for each)	VOC CONTENT (lb/gal or gram/liter)	ESTIMATED USAGE (gal/yr)	AMOUNT SHIPPED AS WASTE (gal/yr)

If waste solvent is redistilled on site, provide information on the still, including manufacturer's literature.

## SECTION C. FUEL BURNING EQUIPMENT

To qualify for coverage under the General Permit, each piece of fuel burning equipment must have a rating of less than 10 Million BTU/Hr. (Do not include fuel burning equipment less than or equal to 300,000 BTU/Hr.) Furthermore, the combined total for all fuel burning equipment must be less than 55 million BTU/Hr. The only fuels to be used in boilers and heaters are natural gas, propane and butane. Turbines and internal combustion engines are not eligible. However, facilities having internal combustion engines that serve only as emergency standby generators, for which the total of all engines is less than or equal to 250 horsepower, are still eligible for coverage of fuel burning equipment under the General Permit. The only fuels to be used in emergency generators are natural gas, propane, diesel and biodiesel. If this Section does not apply to the facility, mark N/A across the page.

SECTION C DOES NOT APPLY

### GUIDE TO FILLING OUT THE TECHNICAL SECTION:

**EQUIPMENT DESCRIPTION:** Make, model, and type (for example boiler, heater etc...)  
**INSTALLED OR PROPOSED:** Is the equipment already installed or proposed for future installation?  
**GROSS INPUT RATING:** This is the heat input rating for the unit, in BTU/Hr and is usually found on a plate located on the side of the unit. Maintenance personnel may be able to assist in locating this information.

1. Will the only fuels used in the fuel burning equipment be natural gas, propane or butane?

Yes  No

2. Describe each piece of fuel burning equipment completely:

EQUIPMENT DESCRIPTION (make, model, type)	INSTALLED OR PROPOSED	NUMBER OF UNITS	EQUIPMENT RATING (Btu/hr or MM Btu/hr)
<b>TOTAL GROSS INPUT HEAT RATING (SUM OF THE LAST COLUMN) (MUST BE LESS THAN 55,000,000 BTU/Hr)</b>			

3. Is there an emergency generator(s) located on site?

Yes  No

4. Will the emergency generator (s) be used only for emergency purposes?

Yes  No  N/A

NOTE: You must be able to answer yes or not applicable to question 4 to qualify for the general permit.

5. Describe each emergency generator completely (total horsepower must be less than or equal to 250 to qualify):

FUEL TYPE	EQUIPMENT DESCRIPTION. INCLUDE MAKE, MODEL, AND INSTALLATION DATE.	DATE OF MANUFACTURE	HOW MANY	NUMBER OF HOURS IN OPERATION DAILY	NUMBER OF HOURS IN OPERATION ANNUALLY	ENGINE POWER RATING (HP)

## SECTION D. ABRASIVE BLASTING EQUIPMENT

SECTION D DOES NOT APPLY

1. If you conduct abrasive blasting, will you agree to not discharge into the atmosphere from any abrasive blasting any air contaminant for a period or periods aggregating more than three minutes in any one-hour period which is a shade or density darker than 20 percent opacity?
- Yes  No
2. If you conduct abrasive blasting, will you utilize at least one of the following control measures for all abrasive blasting:
- a) Confined blasting without forced air ventilation,
- Yes  No
- b) Wet abrasive blasting or hydroblasting,
- Yes  No
- c) The use of a California Air Resources Board (CARB) certified abrasive blasting media in dry, unconfined blasting operations provided that all the following conditions are met?
- 1) Only an abrasive(s) on the most recent CARB certification list may be used in the abrasive blasting process.
  - 2) Blasting is performed only on a metal substrate.
  - 3) The abrasive blasting medium is used only once.
  - 4) The existing paint on the surface to be abraded is lead free (i.e. lead content < 0.1%).
  - 5) Opacity limits of Rule 312 and these Permit Conditions are adhered to.
  - 6) The object to be blasted exceeds 8 feet in any dimension or the surface to be blasted is situated at its permanent location.
  - 7) Blasting is not performed at ground level on a surface which may be disturbed by the process and contribute to particulate emissions (e.g. unpaved ground).
- Yes  No