



Instructions: Surface Coating Operation / Auto Body Coating Operation Form

Introduction

Use the following instructions to help guide you through the ***Surface Coating Operation / Auto Body Coating Operation form***.

Who should use this form?

This form should be submitted with new permit applications and applications to modify or alter existing sources.

Facility Information

- **BAAQMD Facility ID** – The facility ID number is available on any permit or invoice issued by BAAQMD. This can be found in the upper right of the permit or the invoice.
 - If this application is for a new facility (not currently permitted by BAAQMD), you must also submit *Facility Creation Form* and *Facility Contacts Form*.

General Information

- **BAAQMD Device ID** – For existing facilities, the device ID number can be found on the Permit to Operate to the left of the device name (for example: **S1** Auto Body Coating Operation).
- **Device/Operation Name** – This is the name you associate with this operation.
- **Initial/Proposed Date of Operation:**
 - For new construction, enter the date that you propose will be the initial date of operation.
 - For a modification of an existing permitted operation, enter the date that you propose the changes to occur.
 - For an existing operation that is not currently permitted by BAAQMD, enter the date for which the facility initially operated.
- **Device/Operation Description** – This is your description of the device or operation. This field can be used to distinguish it from other similar devices (e.g. ID numbers, location, make, model, etc.)

Coating Device Form Type

One form should be submitted for each operation requiring a Permit to Operate.

- **Auto Body Coating Operation** – If this application is for an Auto Body shop, do not fill out sections 5, 6 or 7. Continue from Section 4 to section 8.
- **Surface Coating Operation** – If the application is for any other type of Surface Coating Operation (including assembly line motor vehicle manufacturing), skip section 4 of this form.

Auto Body Coating Operation

You may choose the annual material usage limits from a list of default amounts or enter your desired throughputs in the blank sections provided. Unless you would like an annual material usage higher than 2000 gallons Auto Body Coating and 300 gallons Auto Body Cleanup Solvent, it is recommended that you choose one of the default usage limits.

Surface Coating Operation

If this operation uses more than one type of coating equipment, more than four types of coating materials, and/or more than four types of solvent materials, submit the additional information on a separate sheet of paper.

If this operation uses a gas dryer with a maximum firing rate of 10 MMBTU/hr or greater, you must submit a Combustion Form with your application.

Coating material codes can be found under Table A. Coating material composition compound codes can be found under Table B. Solvent material codes can be found under Table C.

Still need help?

Contact the Engineering Division: (415) 749-4990
permits@baaqmd.gov



SURFACE COATING/AUTO BODY COATING FORM

Use one form for each operation requiring a Permit to Operate.
All fields are required unless otherwise noted. Please type or print.

Email to: permits@baaqmd.gov

Mail to: BAAQMD

Engineering Division
375 Beale Street, Suite 600
San Francisco, CA 94105

Tel: (415) 749-4990

1. Facility Information

Facility Name	BAAQMD Facility ID (Existing facilities only)
Facility Address (Street address and city)	

2. General Information

BAAQMD Device ID (if applicable)	
Device/Operation Name	Initial/Proposed Date of Operation
Device/Operation Description	

3. Operating Schedule – Select “Continuous” or specify specific schedule in the 4 columns

Continuous <input type="checkbox"/>	Maximum hours/day	Typical hours/day	Days/week	Weeks/year

4. Auto Body Coating Operation – Auto Body Coating Operations fill out this section and then skip to section 8

Does this Auto Body Coating Operation ever use a dryer? ☐ Yes ☐ No

Please select the maximum annual Auto Body Coating and Solvent net usage limits:

- ☐ 500 gallons Coating / 200 gallons Solvent ☐ 2000 gallons Coating / 300 gallons Solvent
☐ 800 gallons Coating / 300 gallons Solvent ☐ _____ gallons Coating / _____ gallons Solvent

5. Surface Coating Operation Information – Auto Body Coating Operations skip to section 8

Which of the following activities apply to your surface coating operation? (Check all that apply)

- | | |
|---|--|
| <input type="checkbox"/> Aerospace assembly and components | <input type="checkbox"/> Motor vehicles (assembly line) |
| <input type="checkbox"/> Flexible and rigid disc manufacturing | <input type="checkbox"/> Paper, fabric and film coating |
| <input type="checkbox"/> Large appliances, metal furniture | <input type="checkbox"/> Plastic parts and products |
| <input type="checkbox"/> Magnetic wire | <input type="checkbox"/> Stationary structures that require architectural coatings |
| <input type="checkbox"/> Marine vessels and component parts | <input type="checkbox"/> Wood products |
| <input type="checkbox"/> Metal containers, closures, coils | <input type="checkbox"/> Other surface coating activity not specified |
| <input type="checkbox"/> Miscellaneous metal parts and products | |

Select the type of coating equipment used, and provide the equipment name and flow rate below:

- ☐ Paint Booth ☐ Open Area ☐ Roller Coater ☐ Dipping ☐ Flow Coater ☐ Other

Coating Equipment Name	Flow Rate
	cfm

If your surface coating operation uses a sprayer, please indicate the sprayer method:

- ☐ Air-atomized ☐ Electrostatic (air-atomized) ☐ High Volume Low Pressure (HVLP)
☐ Airless ☐ Electrostatic (airless) ☐ Other: _____



Bay Area Air Quality Management District

SURFACE COATING/AUTO BODY COATING FORM

Use one form for each operation requiring a Permit to Operate.
All fields are required unless otherwise noted. Please type or print.

Email to: permits@baaqmd.gov

Mail to: BAAQMD

Engineering Division
375 Beale Street, Suite 600
San Francisco, CA 94105

Tel: (415) 749-4990

Are any solvents used with this device or operation? ☐ Yes ☐ No

Is heat used for drying, baking, curing, or polymerizing the coating? ☐ Yes ☐ No

If an electric dryer is used, select type: ☐ Electric ☐ Infrared ☐ Ultraviolet ☐ Other: _____

If a gas dryer is used, select fuel type: ☐ LPG ☐ Natural Gas

Maximum firing rate for gas dryer: _____ MMBTU/hr (if 10 MMBTU/hr or greater, Combustion Form REQUIRED)

6. Surface Coating Operation Material Information – Auto Body Coating Operations skip to section 8

Fill out information on coatings used in this operation:

- Submit a copy of the safety data sheet (SDS) for each material identified below.
- See Table A for a list of coating material codes and Table B for a list of coating material compound codes.
- If more than 4 coatings are used, submit the additional information on a separate sheet of paper.

Most Applied Coating

Material Name		Material Code		Maximum Annual Usage	
				gal	
VOC Content		Coating Density		Solvent Volume Percentage	
lbs/gal		lbs/gal		%	
Material Compound 1 Code:		Compositional Value:		%	Percent Emitted:
				%	%
Material Compound 2 Code:		Compositional Value:		%	Percent Emitted:
				%	%

2nd Most Applied Coating

Material Name		Material Code		Maximum Annual Usage	
				gal	
VOC Content		Coating Density		Solvent Volume Percentage	
lbs/gal		lbs/gal		%	
Material Compound 1 Code:		Compositional Value:		%	Percent Emitted:
				%	%
Material Compound 2 Code:		Compositional Value:		%	Percent Emitted:
				%	%

3rd Most Applied Coating

Material Name		Material Code		Maximum Annual Usage	
				gal	
VOC Content		Coating Density		Solvent Volume Percentage	
lbs/gal		lbs/gal		%	
Material Compound 1 Code:		Compositional Value:		%	Percent Emitted:
				%	%
Material Compound 2 Code:		Compositional Value:		%	Percent Emitted:
				%	%

4th Most Applied Coating

Material Name		Material Code		Maximum Annual Usage	
				gal	
VOC Content		Coating Density		Solvent Volume Percentage	
lbs/gal		lbs/gal		%	
Material Compound 1 Code:		Compositional Value:		%	Percent Emitted:
				%	%
Material Compound 2 Code:		Compositional Value:		%	Percent Emitted:
				%	%



Bay Area Air Quality Management District
SURFACE COATING/AUTO BODY COATING FORM

Use one form for each operation requiring a Permit to Operate.
All fields are required unless otherwise noted. Please type or print.

Email to: permits@baaqmd.gov

Mail to: BAAQMD
Engineering Division
375 Beale Street, Suite 600
San Francisco, CA 94105

Tel: (415) 749-4990

Fill out information on solvents used in this operation, if applicable:

- Submit a copy of the safety data sheet (SDS) for each material identified below.
- See Table C for a list of solvent material codes.
- If more than 4 solvents are used, submit the additional information on a separate sheet of paper.

Most Used Solvent

Material Name	Material Code	Maximum Annual Usage
		gal
VOC Content	Solvent Density	Solvent Volume Percentage
lbs/gal	lbs/gal	%

2nd Most Used Solvent

Material Name	Material Code	Maximum Annual Usage
		gal
VOC Content	Solvent Density	Solvent Volume Percentage
lbs/gal	lbs/gal	%

3rd Most Used Solvent

Material Name	Material Code	Maximum Annual Usage
		gal
VOC Content	Solvent Density	Solvent Volume Percentage
lbs/gal	lbs/gal	%

4th Most Used Solvent

Material Name	Material Code	Maximum Annual Usage
		gal
VOC Content	Solvent Density	Solvent Volume Percentage
lbs/gal	lbs/gal	%

7. Surface Coating Operation Emission Train Information – Auto Body Coating Operations skip to section 8

With regard to emission flow, what abatement devices and/or emission points are *immediately* downstream of this source?

Abatement Devices A _____ A _____ A _____ Emission Points P _____ P _____ P _____

- Complete an Abatement Device Form and/or Emission Point Form for each connection.

8. Certification/Signature of person responsible for the information on this form

I hereby certify that I am authorized to complete this form for the facility and that all information contained herein is true and correct.

Name	Title	
Signature	Date	Phone (xxx-xxx-xxxx)

Table A. Coating Material Codes

CODE	MATERIAL NAME	CODE	MATERIAL NAME	CODE	MATERIAL NAME
459	Adhesive - other/not specified	161	Lacquer - general	735	Surface coating - other/not specified
101	Enamel - general	205	Paint - other/not specified	298	Varnish - other/not specified
152	Ink - general	229	Primer - general		

Table B. Coating Material Compound Codes

CODE	MATERIAL NAME	CODE	MATERIAL NAME	CODE	MATERIAL NAME
565	1,1,1-trichloroethane	747	Decafluoropentane	739	Hydrofluoroether
294	1,1,1-trichloroethane (with dioxane)	96	Diacetone alcohol	700	Isobutyl isobutyrate
781	1,1,2,2-tetrachloroethane	370	Dichloroethylene, 1,2	686	Isopar H
385	1,2,4-trimethylbenzene	671	Dichlorofluoroethane	157	Isopropyl alcohol
729	2-heptanone	740	Dichloropentafluoropropane	159	Kerosene
746	1-Bromopropane	661	Diethylene glycol	178	Methyl acetate
335	Acetaldehyde	578	Diethylene glycol monobutyl ether	179	Methyl alcohol
454	Acetic acid	99	Dimethyl formamide	169	Methyl ethyl ketone (MEK)
455	Acetone	328	Dipentene	170	Methyl isobutyl ketone (MIBK)
456	Acetonitrile	804	Dipropylene glycol monomethyl ether	725	Methyl propyl ketone
457	Acetylene	664	Ethanolamine	396	Methylene chloride
334	Amyl acetate	104	Ethyl acetate	184	Mineral spirits
582	Anisole	105	Ethyl alcohol	188	Naphtha
40	Benzaldehyde	332	Ethyl isoamyl ketone	630	Nitromethane
48	Butyl acetate	688	Ethyl lactate	547	n-methyl-2-pyrrolidone
49	Butyl alcohol	333	Ethylbenzene	312	n-methylpyrrolidine
522	Butyl cellosolve	561	Ethylene glycol	313	n-propyl alcohol
587	Butyrolactone	602	Ethylene glycol monobutyl ether acetate	201	Organic liquid - other/not specified
576	Carbitol acetate	558	Freon - mixtures with freon	990	Organics (part not specified elsewhere) -- including Methane
60	Carbon tetrachloride	530	Glycol ether - other/not specified	1590	Other Acid Mists
62	Cellosolve	147	Heptane	734	Parachlorobenzotrifluoride (PCBTF)
63	Cellosolve acetate	744	Hexamethyldisiloxane	209	Pentane
390	Chloroform	148	Hexane	210	Perchloroethylene
91	Cyclohexane	663	Hexylene glycol	214	Phenol
491	Cyclohexanone	318	Hydrocarbon - mixtures, other/not specified	799	Propylene Carbonate

CODE	MATERIAL NAME	CODE	MATERIAL NAME	CODE	MATERIAL NAME
579	Propylene glycol monomethyl ether	401	Stoddard solvent	295	Trichloroethylene
601	Propylene glycol monomethyl ether acetate	548	Tetrahydrofuran	480	Trichlorotrifluoroethane
690	Propylene glycol, 1,2-	726	Tetramethylammonium hydroxide	324	Turpentine
790	Solvent thinner, misc (non-toxic)	293	Toluene	307	Xylene

Table C. Solvent Material Codes

CODE	MATERIAL NAME	CODE	MATERIAL NAME	CODE	MATERIAL NAME
565	1,1,1-trichloroethane	370	Dichloroethylene, sym-	700	Isobutyl isobutyrate
294	1,1,1-trichloroethane (with dioxane)	671	Dichlorofluoroethane	686	Isopar H
781	1,1,2,2-tetrachloroethane	740	Dichloropentafluoropropane	157	Isopropyl alcohol
385	1,2,4-trimethylbenzene	661	Diethylene glycol	159	Kerosene
335	Acetaldehyde	578	Diethylene glycol monobutyl ether	178	Methyl acetate
454	Acetic acid	99	Dimethyl formamide	179	Methyl alcohol
455	Acetone	328	Dipentene	169	Methyl ethyl ketone (MEK)
456	Acetonitrile	804	Dipropylene glycol monomethyl ether	170	Methyl isobutyl ketone (MIBK)
457	Acetylene	664	Ethanolamine	729	Methyl n-amyl ketone
334	Amyl acetate	104	Ethyl acetate	725	Methyl propyl ketone
582	Anisole	105	Ethyl alcohol	396	Methylene chloride
40	Benzaldehyde	332	Ethyl isoamyl ketone	184	Mineral spirits
48	Butyl acetate	688	Ethyl lactate	188	Naphtha
49	Butyl alcohol	333	Ethylbenzene	630	Nitromethane
522	Butyl cellosolve	561	Ethylene glycol	547	n-methyl-2-pyrrolidone
587	Butyrolactone	602	Ethylene glycol monobutyl ether acetate	312	n-methylpyrrolidine
576	Carbitol acetate	558	Freon - mixture with freon	313	n-propyl alcohol
60	Carbon tetrachloride	530	Glycol ether - other/not specified	746	N-propyl Bromide
62	Cellosolve	147	Heptane	201	Organic liquid - other/not specified
63	Cellosolve acetate	744	Hexamethyldisiloxane	734	p-chlorobenzotrifluoride
390	Chloroform	148	Hexane	209	Pentane
91	Cyclohexane	663	Hexylene glycol	210	Perchloroethylene
491	Cyclohexanone	318	Hydrocarbon - mixture, other/not specified	214	Phenol
747	Decafluoropentane	739	Hydrofluoroether	799	Propylene Carbonate
96	Diacetone alcohol	822	Inorganic liquid - other/not specified	579	Propylene glycol monomethyl ether

CODE	MATERIAL NAME	CODE	MATERIAL NAME	CODE	MATERIAL NAME
601	Propylene glycol monomethyl ether acetate	548	Tetrahydrofuran	480	Trichlorotrifluoroethane
690	Propylene glycol, 1,2-	726	Tetramethylammonium hydroxide	324	Turpentine
790	Solvent thinner, misc	293	Toluene	307	Xylene
401	Stoddard solvent	295	Trichloroethylene		