BAY AREA AIR QUALITY MANAGEMENT DISTRICT
BAAQMD
Engineering Division
375 Beale Street, Suite 600
San Francisco, CA 94105

Instructions: Polyester Resin Operation Form

Introduction

Use the following instructions to help guide you through the ***Polyester Resin 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** Polyester Resin 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.)

Operation Information

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 and Solvent Usage

If this operation uses more than two types of solvent materials, submit the additional information on a separate sheet of paper. Solvent material codes can be found under Table A.

Still need help?

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

An electronic version of this form and instructions can be found at www.baaqmd.gov.

Bay Area Air Quality Management District
POLYESTER RESIN OPERATION 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 ☐

Maximum hours/day	Typical hours/day	Days/week	Weeks/year

4. Emission Train Information

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.

5. Operation Information

Select the type of Polyester Resin Operation (check all that apply):

☐ Dip ☐ Molding ☐ Spray (other)
☐ Layup ☐ Spray (chopper gun) ☐ Other: _____

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. Coating Usage

Fill out information on the coating materials used in this operation:

➢ Submit a copy of the safety data sheet (SDS) for each material identified below.

Polyester Resin Usage

Max Annual Usage	VOC Content	Coating Density	Solvent Volume %	Styrene %
gal	lbs/gal	lbs/gal	%	%

Fiberglass Catalyst Usage

Max Annual Usage	VOC Content	Coating Density	Solvent Volume %
gal	lbs/gal	lbs/gal	%

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7. Solvent Usage – Required if solvents are used with this device or operation

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

- Submit a copy of the material safety data sheet (MSDS) for each material identified below.
- If more than 2 solvents are used, submit the additional information on a separate sheet of paper.
- See Table A for a list of solvent material codes.

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	%

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)**

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Table A. Solvent Material Codes

CODE	MATERIAL NAME	CODE	MATERIAL NAME	CODE	MATERIAL NAME
565	1,1,1-trichloroethane	96	Diacetone alcohol	739	Hydrofluoroether
294	1,1,1-trichloroethane (with dioxane)	370	Dichloroethylene, sym-	822	Inorganic liquid - other/not specified
781	1,1,2,2-tetrachloroethane	671	Dichlorofluoroethane	700	Isobutyl isobutyrate
385	1,2,4-trimethylbenzene	740	Dichloropentafluoropropane	686	Isopar H
335	Acetaldehyde	661	Diethylene glycol	157	Isopropyl alcohol
454	Acetic acid	578	Diethylene glycol monobutyl ether	159	Kerosene
455	Acetone	99	Dimethyl formamide	178	Methyl acetate
456	Acetonitrile	328	Dipentene	179	Methyl alcohol
457	Acetylene	804	Dipropylene glycol monomethyl ether	169	Methyl ethyl ketone (MEK)
334	Amyl acetate	664	Ethanolamine	170	Methyl isobutyl ketone (MIBK)
582	Anisole	104	Ethyl acetate	729	Methyl n-amyl ketone
40	Benzaldehyde	105	Ethyl alcohol	725	Methyl propyl ketone
48	Butyl acetate	332	Ethyl isoamyl ketone	396	Methylene chloride
49	Butyl alcohol	688	Ethyl lactate	184	Mineral spirits
522	Butyl cellosolve	333	Ethylbenzene	188	Naphtha
587	Butyrolactone	561	Ethylene glycol	630	Nitromethane
576	Carbitol acetate	602	Ethylene glycol monobutyl ether acetate	547	n-methyl-2-pyrrolidone
60	Carbon tetrachloride	558	Freon - mix with freon	312	n-methylpyrrolidine
62	Cellosolve	530	Glycol ether - other/not specified	313	n-propyl alcohol
63	Cellosolve acetate	147	Heptane	746	N-propyl Bromide
390	Chloroform	744	Hexamethyldisiloxane	201	Organic liquid - other/not specified
91	Cyclohexane	148	Hexane	734	p-chlorobenzotrifluoride
491	Cyclohexanone	663	Hexylene glycol	209	Pentane
747	Decafluoropentane	318	Hydrocarbon - mix, other/not specified	210	Perchloroethylene
214	Phenol	790	Solvent thinner, misc	295	Trichloroethylene
799	Propylene Carbonate	401	Stoddard solvent	480	Trichlorotrifluoroethane
579	Propylene glycol monomethyl ether	548	Tetrahydrofuran	324	Turpentine
601	Propylene glycol monomethyl ether acetate	726	Tetramethylammonium hydroxide	307	Xylene
690	Propylene glycol, 1,2-	293	Toluene		

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