



**Santa Barbara County
Air Pollution Control District**

ANNUAL REPORT: FIBERGLASSING FACILITIES

Company Name: _____ Facility ID#: _____
 Contact Name: _____ Permit _____
 Address: _____ Phone #: _____
 City/State/Zip Code: _____
 Facility Name/Location: _____
 Operating Schedule: Year _____ Hours/Day: _____ Days/Week: _____ Weeks/Year: _____

Please review your permit's annual reporting requirements and provide any additional information that you are required to submit with this report. Indicate total (gallons/year) amounts of each product used in tables below, listing any additional materials and usage information on a separate sheet, if needed. Refer to the attached page for further Instructions.

Resin and Gel Coat emissions may be estimated by either the AP-42 Method in Part A.1 below or by the alternative Can-Lid Method in Part A.2. The AP-42 Method uses emission factors to calculate ROC emissions. The Can-Lid Method uses laboratory test results. **Choose only one of the two methods.** Emissions from solvent or surfacing agents can be estimated in Part B.

PART A: RESINS and GEL COAT EMISSIONS

PART A.1: AP-42 METHOD:

MATERIAL	TOTAL USAGE (gals)	TOTAL RECYCLED (gals)	NET USAGE (gals)	MATERIAL DENSITY (lbs/gal)	% STYRENE	EMISSION FACTOR (lbs/lb) ^a	EMISSIONS (lbs/year)
RESIN							
GEL COAT							
PART A.1 TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	

^a See AP-42 Emission Factor table on last page.

$$\text{ROC (lbs/year)} = \text{NET USAGE (gals)} \times \text{MATERIAL DENSITY (lbs/gal)} \times (\% \text{ STYRENE}/100) \times \text{EMISSION FACTOR (lb/lb)}$$

PART A.2: CAN-LID METHOD:

MATERIAL	TOTAL USAGE (gals)	TOTAL RECYCLED (gals)	NET USAGE (gals)	MATERIAL DENSITY (lbs/gal)	% STYRENE	EMISSION FACTOR (lbs/gal) ^b	EMISSIONS (lbs/year)
RESIN				N/A	N/A		
GEL COAT				N/A	N/A		
PART A.2 TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	

^b Derived from Can-Lid test results.

$$\text{ROC (lbs/year)} = \text{NET USAGE (gals)} \times \text{EMISSION FACTOR (lbs/gal)}$$



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PART B: SOLVENT EMISSIONS

MATERIAL	TOTAL USAGE (gals)	TOTAL RECYCLED (gals)	NET USAGE (gals)	ROC CONTENT (lbs/gal)	EMISSIONS (lbs/year)
METHYL ETHYL KETONE PEROXIDE (MEKP)					
SURFACING AGENT					
CLEAN-UP SOLVENT					
ADDED STYRENE					
OTHER SOLVENT(S)					
PART B TOTAL	N/A	N/A	N/A	N/A	

EMISSIONS (lb/year) = NET USAGE (gals) x ROC CONTENT (lb/gal)

PART C: TOTAL ROC EMISSIONS

PLEASE ADD THE TOTAL OF PART A (A.1 or A.2) AND PART B

PART A.1 PART B PART C. - TOTAL ROC EMISSIONS (lbs/year)

+ =

OR

PART A.2 PART B PART C. - TOTAL ROC EMISSIONS (lbs/year)

+ =

I certify that the information provided is accurate and complete to the best of my knowledge.

Signature

Print name/date

PLEASE RETURN THE COMPLETED ANNUAL REPORT TO:
AIR POLLUTION CONTROL DISTRICT, 260 N. SAN ANTONIO RD., SUITE A, SANTA BARBARA CA 93110-1315
or E-mail to annualreport@sbcapcd.org



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ANNUAL REPORT INSTRUCTIONS FOR FIBERGLASSING FACILITIES

- TOTAL USAGE (gals):** In the columns to the right of the specific material categories please list the total amount of material used.
- TOTAL RECYCLED (gals):** This is the amount of material sent off site, either by hazardous waste hauler, sent to a recycling center, or sent back to the manufacturer. If you are recycling by some other method, please attach an explanation.
- NET USAGE (gals):** The total volume usage minus the total volume recycled equals the volume net usage.
- MATERIAL DENSITY (lbs/gal):** For resin and gel coat products Part A.1 only. Information can be obtained from the product can or on manufacturer's Material Safety Data Sheet (MSDS) lists. Note: material density is not the same as ROC content in part 6, below.
- % STYRENE:** For resin and gel coat products Part A.1 only. Information can be obtained from the product can or on manufacturer's MSDS lists.
- EMISSION FACTOR or ROC CONTENT:** For Part A.1, emission factor is determined from the table below in units of lbs ROC/lbs monomer used. Note: If you use a reference other than AP-42 for emissions factors, include supporting documentation from your manufacturer with this report. For Part A.2, emission factor is determined from Can-Lid Test results in units of lbs/gal. Submit documentation if test results are used. For Solvents in Part B, ROC content in lbs/gal can be found in the MSDS. Consult your supplier for assistance if you are unable to determine the ROC content of your material. Note: ROC is equal to VOC in almost all cases. To convert ROC grams/liter to lbs/gal, use formula below:

$$\frac{\text{grams/liter}}{120} = \text{lb/gallon}$$

PART A.1 AP-42 EMISSION FACTOR (lbs ROC/lbs monomer used)

PROCESS	RESIN		GEL COAT	
	NON-VAPOR SUPPRESSED	VAPOR-SUPPRESSED	NON-VAPOR SUPPRESSED	VAPOR-SUPPRESSED
Hand layup	0.10	0.07	0.35	0.25
Spray layup	0.13	0.09	0.35	0.25
Continuous lamination	0.07	0.05	a	a
Pultrusion	0.07	0.05	a	a
Filament winding	0.10	0.07	a	a
Marble casting	0.03	0.02	0.35	0.25
Closed molding	0.03	0.02	a	a

^a Gel coat is not normally used in this process

- EMISSIONS LB/YEAR:**
 - For Part A.1: **ROC (lb/year) = NET USAGE (gals) x DENSITY (lbs/gal) x (% STYRENE/100) x EMISSION FACTOR (lb/lb)**
 - For Part A.2: **ROC (lb/year) = NET USAGE (gals) x EMISSION FACTOR (lbs/gal)**
 - For Part B: **ROC (lb/year) = NET USAGE (gals) x ROC CONTENT (lbs/gal)**
 - For Part C: **Total ROC Emissions = Part A Resin and Gel Coat Emissions (determined in Part A.1 or Part A.2) + Part B Solvent Emissions.**
- SUBMITTAL:** Submit by mail or e-mail. When submitting via e-mail, if you do not receive a response within 72 hours confirming that the District has received your submittal, please assume the annual report was not received and contact us at (805) 961-8800.