

San Diego APCD  
Emissions Inventory Request Form Instructions

**PAINTING AND SURFACE COATING OPERATIONS**

Please refer to the general instructions for guidance regarding the following sections: Reporting Year, Facility Identification, Permit Information, Device Information, Stack / Ducted Emissions and Fugitive Release Emissions.

**MATERIAL/ PROCESS INFORMATION**

Fill in all the data fields. Complete all blanks using the specified units. Use a separate form to report each material used for each device.

Complete a separate form for each material containing nickel, copper, chromium or lead and attached a copy of the current MSDS information.

Complete a separate inventory form for each material whose usage exceeded 50 gallons/year during the reporting period and attached a copy of the current MSDS information.

Report the combined usage of all remaining coatings and solvents (<50 gallons/year each) on a single form and label it as "Miscellaneous materials". Estimate an average value of the density and VOC content for this combined usage.

Copy the blank form as needed to report each material used. On forms with pre-printed process information from a previously submitted inventory, asterisks (\*) highlight data fields that must be updated.

**Annual Material Usage:** Report the total amount of material used or combined materials used (gal/year).

**Waste Shipped Off-site:** If the amount of material reported under "Annual Material Usage" has already been adjusted to reflect liquid waste shipped off-site, then report zero here. If the gross material usage was reported, then report waste amounts here. The District will subtract the waste amount reported from the Annual Material Usage to calculate the net material usage.

**Density and VOC Content:** Provide the density and VOC for each material from MSDS information. Report multi-part coating usages, densities, VOC contents, and compositions "as applied".

**Application Method:** Identify the application method used for each material (i.e., conventional spray, airless spray, HVLP, brush, roller, dip, or electrostatic spray, etc.).

**Transfer Efficiency and Fallout Fraction: (OPTIONAL)** The District will use an appropriate default for the application method reported.

[Instructions continue on backside.]

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**PAINTING AND SURFACE COATING OPERATIONS (continued)**

**Type of Operation:** Identify the type of operation (i.e., aerospace, marine coating, metal parts & products, wood coating, paper, fabric, film, motor vehicle, can or coil, plastics, etc.).

**Type of Material:** Identify the material type (i.e., primer, enamel, epoxy, sealant, adhesive, lacquer, stain, varnish, topcoat, maskant, thinner, clean-up solvent, etc.).

**Water-based Coating:** Answer “yes” if water is the primary solvent, thinner or diluent.

**Device Operating Schedule:**

**Daily Operation (hours/day):** Report the average amount of hours the device operates in a typical day.

**Weekly Operation (days/week):** Report the average number of days the device operates in a typical week.

**Annual Operation (days/year):** Report the number of days the device operated during the Reporting Year.

**POLLUTANT NAME (TO BE COMPLETED BY DISTRICT STAFF)**

Material composition information is required to calculate toxic air contaminant emissions. Please provide MSDS information for each reported material whose usage exceeds 50 gallons and each coating that contains nickel, copper, chromium or lead. District staff will complete the Material Composition information using the MSDS information provided.

**TYPICAL DEFAULT VALUES:** Use the following transfer, fallout, capture, and control equipment efficiencies as guidance to determine device-specific operating parameters:

BOOTH AND CONTROL EQUIPMENT DESCRIPTION	CAPTURE EFFICIENCY	CONTROL EFFICIENCY	
		Solvents	Solids
None	0%	0%	0%
Open Booth & Water Curtain	75%	0%	80%
Open Booth & Fabric Filter	75%	0%	90%
Enclosed Booth & Water Curtain	100%	0%	80%
Enclosed Booth & Fabric Filter	100%	0%	90%
Enclosed Booth Filter & Catalytic Oxidizer	100%	95%	90%
Enclosed Booth & Carbon Adsorption	100%	95%	99%

APPLICATION METHOD	FALLOUT AND TRANSFER EFFICIENCIES					
	LARGE SURFACES		MEDIUM SURFACES		SMALL SURFACES	
	Fallout	Transfer	Fallout	Transfer	Fallout	Transfer
Conventional	50%	50%	65%	30%	70%	20%
Airless	50%	70%	65%	50%	70%	30%
HVLP	50%	75%	65%	60%	70%	40%
Electrostatic						
Air Atomized	70%	75%	80%	65%	80%	65%
Airless	70%	80%	80%	70%	80%	70%
Disc	70%	95%	80%	90%	80%	90%
Brush, Roller & Dip	0%	100%	0%	100%	0%	100%

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REPORTING YEAR:

EIF ID : SITE RECORD ID :	
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<b>PERMIT INFORMATION :</b>	<b>DEVICE INFORMATION :</b>

<b>STACK (DUCTED EMISSIONS)</b>	<b>RELEASE (FUGITIVE EMISSIONS)</b>																														
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