Southwest Clean Air Agency
11815 NE 99th Street, Suite 1294, Vancouver, WA 98682-2322 Voice: (360) 574-3058 Fax: (360) 576-0925

PAINT / SPRAY BOOTH INFORMATION

FACILITY NAME: _____ **DATE:** _____

HOURS OF OPERATION: _____ (hr/day) X _____ (days/yr) = _____ (hours/year)

TYPES OF EMISSIONS: ☐ Particulate Matter (PM) ☐ Volatile Organic Compounds (VOC) ☐ Toxics (summarize on following pages)

COATINGS APPLIED: ☐ Paint ☐ Fiberglass ☐ Lacquer ☐ Stain ☐ Adhesives ☐ Other (summarize on following pages)

ITEMS TO BE COATED: _____
_____
_____

COATING EQUIPMENT: ☐ Spray ☐ Dip ☐ Roll ☐ Powder ☐ Electrostatic ☐ Other

Manufacturer: _____ Model No. _____ No. of Units: _____
Transfer Efficiency: _____ % Pressure at Nozzle: _____ (psig) Supply Pressure: _____ (psig) Voltage: _____ (v)

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Transfer Efficiency: _____ % Pressure at Nozzle: _____ (psig) Supply Pressure: _____ (psig) Voltage: _____ (v)

COATING ROOM / SPRAY BOOTH:

Manufacturer: _____ Model No. _____
Dimensions - Length: _____ (ft) Width: _____ (ft) Height: _____ (ft)
Air Flowrate: _____ (acfm) Area of Inlet Filters: _____ (sq ft) Area of Exhaust Filters: _____ (sq ft)
Fan Manufacturer: _____ Model: _____ Size: _____ (hp) Speed: _____ (rpm)

FILTER / SCRUBBER MEDIUM: ☐ Paper ☐ Cloth ☐ ESP ☐ Water ☐ Other _____

Outlet First Layer:
Manufacturer: _____ Model No. _____
Dimensions - Length: _____ (ft) Width: _____ (ft) Height: _____ (ft) Media Depth: _____ (in)
Capture Efficiency: _____ % based on _____ (type of product/particle size) and thickness _____ (in)

Outlet Second Layer:
Manufacturer: _____ Model No. _____
Dimensions - Length: _____ (ft) Width: _____ (ft) Height: _____ (ft) Media Depth: _____ (in)
Capture Efficiency: _____ % based on _____ (type of product/particle size) and thickness _____ (in)

Face Velocity: _____ (ft/sec) Scrubbing Medium Flowrate: _____ (gal/min) ? P Monitor: ☐ Manometer ☐ Magnehelic
Mfg: _____ Model: _____

DRYING BOOTH / ROOM:

Manufacturer: _____ Model No. _____
Dimensions - Length: _____ (ft) Width: _____ (ft) Height: _____ (ft) Media Depth: _____ (in)
Operating Temperature: _____ °F Fuel Type: ☐ Natural Gas ☐ Propane ☐ Electricity ☐ Diesel/Gasoline
Burner Rating: _____ (Btu/hr) Fuel Consumption: _____ (lbs or gallons per hour or year or KWH)

EXHAUST POINTS:

Exhaust Stack: ☐ No ☐ Yes Height Above Ground: _____ (ft) Height Above Building Roof: _____ (ft)
Inside Diameter: _____ (in) or Length: _____ (in) by Width: _____ (in)
Flowrate: _____ (acfm) Velocity: _____ (ft/sec) Distance to Closest Property Line: _____ (ft)

Side of Building: ☐ No ☐ Yes Height Above Ground: _____ (ft) Diameter: _____ (in) or H: _____ (in) by W: _____ (in)
Flowrate: _____ (acfm) Velocity: _____ (ft/sec) Distance to Closest Property Line: _____ (ft)

1. These data sheets must be attached to the general Notice of Construction application.

2. Each application must include filing and review fees before the application can be considered complete. Review of the application will not be performed until the application is complete.

3. Each application must include copies of Material Safety Data Sheets (MSDS) for the products to be consumed, used, recycled or available at the facility. MSDSs must be used to quantify emissions from the facility and summarized on the attached sheets.

4. Each application must include calculations of the kinds and amounts of emissions for each emission point, materials handling operation or fugitive category for both controlled and uncontrolled emissions.

5. Hazardous waste manifests must be maintained, summarized and submitted to SWCAA for the Applicant to receive credit for emission reductions as a result of off site shipment of waste materials.

6. Each application must include, as available, copies of equipment specification data sheets from the manufacturer for all emission control and process equipment generating emissions, such as fan curves, pump curves or performance curves.

7. Each application must include a plot plan including identification of proposed emission points to the atmosphere, distance to property boundaries, height of buildings and stack height above ground level, layout of the buildings with dimensions for modeling.

8. Sufficient information must be included to demonstrate the ability of the emission control s proposed as being consistent with those provided in the applicable regulations (BACT/NSPS/RACT/NESHAP/LAER analysis).

9. Each application must identify the kinds and amounts of emission offset credits proposed for assignment when operations are within a non-attainment area (see SWCAA 400-112, 400-130, 400-131, 400-136).

10. Additional pages may be added to this application as necessary to identify pertinent information regarding emission control equipment, facility information or emissions information.

11. Each drawing, document, or other form of transmittal considered by the applicant to be proprietary and confidential must be suitably identified as confidential in red ink at the time of submittal, and signed and dated by the applicant or its agent. (RCW 70.94.205).

12. Orders of Approval (to construct, modify, or install) and Orders of Authorization to Operate are issued for specific equipment or processes described in the application. Changes to the processes or control equipment are not allowed without new source review if these changes result in an emission of a different type or an increase in emissions (SWCAA 400-110). Process equipment changes which result in decreased emissions require notification to SWCAA.

13. Applications that include previously approved or authorized equipment require that additional information regarding previous owners or approvals be provided so that SWCAA records can be updated. Equipment registered and/or approved for a given company cannot be authorized without a legal name change, purchase of company or equipment, or a legal contract or subcontract to do business with or for the approved source. Responsibility for operation of authorized equipment rests with the registered source.

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VOC EMISSION SUMMARY WORKSHEET

FACILITY NAME: _____ **DATE:** _____

Product Name / Number	Vapor Pressure (at 68 °F) (mm Hg)	Specific Gravity (H_2O = 1.0 @ 4°C) A	Weight (lbs/gal) (A x 8.3452) = B	% Volatile by Weight (%) C	VOC Content (lbs/gal) (B x C ÷ 100) = D	Annual Consumption (gal/yr) E		**Annual Emissions** (lbs/yr) (D x E) = F
Example: Thinner XYZ	7.73	0.8705	7.26	100	7.26	50		363.0
1.								
2.								
3.								
4.								
5.								
6.								
7.								
8.								
9.								
10.								
11.								
12.								
13.								
14.								
TOTALS	N/A	N/A	N/A	N/A	N/A		N/A	

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TOXIC AIR POLLUTANT EMISSION SUMMARY WORKSHEET[a]

FACILITY NAME: _____ DATE: _____

Product Name **Number** **Chemical** **(CAS #)**								TOTAL (lbs/yr)	ASIL [a,b] ($\mu g/m^3$)	SQER [a] (lbs/hr) (lbs/yr)
Weight (lbs/gal) A								N/A	N/A	N/A
Annual Consumption (gal/yr) B									N/A	N/A
Annual Consumption (lbs/yr) A x B = C									N/A	N/A
Acetaldehyde (75-07-0)									0.4500 [1]	-- 50 [2]
Acetone (67-64-1)									5900.0	5.0 43,748
Benzene (71-43-2)									0.1200 [1]	-- 20 [2]
n-Butyl Acetate (123-86-4)									2400.0	5.0 43,748
n-Butyl Alcohol (71-36-3)									500.0	5.0 43,748
Chromium (II,III) (7440-47-3)									1.7	0.02 175
Chromium (VI) (none - Hexavalent)									0.000083	-- --
Ethyl Benzene (100-41-4)									1000.0	5.0 43,748
Formaldehyde (50-00-0)									0.07700 [1]	-- 20 [2]
Hexane (100-54-3)									200.0	2.6 22,750
Methanol (67-56-1)									870.0	5.0 43,748
Methyl Ethyl Ketone (78-93-3)									1000.0	5.0 43,748
Methylene Chloride (75-09-2)									0.56[1]	-- 50 [2]
Perchloroethylene (127-18-4)									1.1000 [1]	0 500 [2]
Phenol (108-95-2)									63.0	1.20 10,500
Styrene (100-42-5)									1000.0	5.0 43,748
1,1,1-Trichloro- ethane (71-55-6)									6400.0	5.0 43,748
Trichloroethylene (79-01-6)									0.5900 [1]	0 50 [2]
Toluene (108-88-3)									400.0	5.0 43,748
Welding Fumes (----)									17.0	0.20 1750
Xylene (1330-20-7)									1500.0	5.0 43,748

Product Name **Number** **Chemical** **(CAS #)**								TOTAL (lbs/yr)	ASIL [a,b] ($\mu g/m^3$)	SQER [a] (lbs/hr) (lbs/yr)
Others from WAC 173-460 as used list below										
TOTALS									N/A	N/A

a - Emission rates and limits taken from WAC 173-460, "Controls for New Sources of Toxic Air Pollutants" effective 2/14/94
b - ASIL (Acceptable Source Impact Level) is a 24 hour average limit only as applied to Class B Toxics
1 - Class A Toxic Air Pollutant - this is an annual average emission rate
2 - Class A Toxic Air Pollutant - this is an annual source impact level based on a 10 meter stack and down wash - no hourly limit is defined