



PUGET SOUND CLEAN AIR AGENCY

Additional Notice of Construction Application Requirements for

SURFACE COATING

General

Description of Equipment and its Purpose [*Specify the type of coating equipment (spray, chopper gun, flow, dip, brush, or roll) and the reason for coating them (manufacture, repair, beautification). If a curing oven is used (not infrared lamps or hot air), complete the permit forms for curing ovens.*]

Identify which of the following categories the project fits into:

1. New Construction (*New construction also includes existing, unpermitted equipment or processes*)
2. Reconstruction (*Reconstruction means the replacement of components of an existing facility to such an extent that the fixed capital cost of the new components exceeds 50% of the fixed capital cost that would be required to construct a comparable entirely new facility*)
3. Modification (*Modification means any physical change in, or change in the method of operation of, a source, except an increase in the Hours of Operation or production rates (not otherwise prohibited) or the use of an alternative fuel or raw material that the source is approved to use under an Order of Approval or operating permit, that increases the amount of any air contaminant emitted or that results in the emission of any air contaminant not previously emitted*)
4. Amendment to Existing Order of Approval Permit Conditions

Estimated Hours of Operation (hr/day, day/wk, wk/yr) [*Estimate the hours of operation for the new surface coating operation - not necessarily the entire facility*]

Estimated Installation Date [*Estimate the date when the surface coating equipment will be put into service.*]

Distance to Nearest Property Line (ft) [*Required only for outdoor coating operations. For spray booths, complete stack information*]

Raw Material Properties

Description of Items to be Coated [*Specify the type of items to be coated (automobiles, aerospace parts, boats, other- specify) and approximate size*]

Types of Coatings Applied [*Specify lacquer, varnish, enamel, primer, stain, adhesive, fiberglass resin, gel coat, catalyst, etc*]

Estimated Amount of Each Type of Coating (gal/yr) [*Estimate the total annual usage of each coating listed in the previous question*]

Material Safety Data Sheet (MSDS) for Each Coating *[Required only if the total amount of coatings applied is >15 gal/day. We need a number for fiberglass resins, which depends on the styrene content]*

Emissions Estimate (lb/hr, lb/yr) *[Estimate the emissions of each volatile organic pollutant and include your calculations. Emissions should be estimated using the MSDS as follows: lb/yr = (gal/yr)(product density in lb/gal)(% by weight of hazardous ingredient). Product density = (8.34)(specific gravity)]*

Design of Spray Equipment

Type of Spray Guns *[Specify HVLP, LVLP, electrostatic, air-assisted airless (<10 psig), airless, conventional air atomized, other (be specific)]*

Cleaning Method *[Specify enclosed gun cleaning system or manual cleaning with solvent recovery]*

Design of Spray Booths *[Not required for outdoor coating operations]*

Make & Model *[Specify the manufacturer and model of the spray booth - not the serial number]*

Vendor Information *[Supply Underwriters Laboratories (UL) or Factory Mutual (FM) approval. If not approved, supply approval from local fire protection agency]*

Type of Filter *[Specify polyester, fiberglass, pleated paper, waterwash, etc.]*

Filter Area (ft²)

Water Flowrate (gal/min)

Stack *[Not required for outdoor spray coating]*

Type of Rain Protection *[Specify 'none', butterfly damper, etc.]*

Stack Height (ft) *[Specify the height of the top of the stack above ground level - not above the building or sea level]*

Stack Diameter or Rectangular Cross-Sectional Dimensions (inches) *[Specify the internal dimensions - not the external dimensions]*

Exhaust Flowrate (acfm) *[Specify the airflow in actual cubic feet per minute]*

Exhaust Temperature (°F) *[Specify the temperature of the exhaust leaving the stack]*

Distance to Nearest Property Line (ft) *[Specify the distance from the base of the stack to the nearest property line]*

Height, Length and Width of Buildings (ft) *[Specify the approximate dimensions of any buildings that are >40% of the stack height and are located within 5 building heights from the stack]*

Operation and Maintenance

Describe Preventive Maintenance for Spray Booth [*Specify the periodic maintenance recommended by the manufacturer and its frequency. (In general, booths must be equipped with a gauge to measure the pressure drop across the filters and the reading is used to determine when to replace the filters.) Also specify other cleaning and maintenance activities and their frequency*]

Methods Used to Confine Overspray from Outdoor Coating Operations [*Specify the type of enclosure to be used*]