

OLYMPIC REGION CLEAN AIR AGENCY

2940 Limited Lane NW - Olympia, Washington 98502 - 360-539-7610 – Fax 360-491-6308

NOC FORM 9 FIBERGLASS REINFORCED PLASTICS INDUSTRIES

GENERAL FACILITY INFORMATION			
Facility Name:	Environmental Contact: Phone Number: Email:		
General Operating Schedule: _____ hrs/day, _____ days/wk, _____ wks/yr	Lamination Schedule: Account for times when lamination will be occurring. ____ hrs/day, ____ days/wk, ____ wks/yr		
Check the days when the facility operates: M T W Th Fri Sat Sun	Check days when lamination occurs: M T W Th F Sat Sun		
EQUIPMENT INFORMATION			
Methods of Coating: (check all that are proposed) <input type="checkbox"/> Dipping or Flow Coater <input type="checkbox"/> Brush or Roler <input type="checkbox"/> HVLP Spray Guns (High Volume Low Pressure) <input type="checkbox"/> Electrostatic <input type="checkbox"/> Air Assisted Airless, < 10 psi <input type="checkbox"/> Airless <input type="checkbox"/> Air Atomized (conventional or air spray) <input type="checkbox"/> Other (explain in attachment)		Air Pollution Control Methods(check all proposed) <input type="checkbox"/> Dry Filter Spray Booth <input type="checkbox"/> Water Wash Spray Booth <input type="checkbox"/> Incinerator (need Form 29) <input type="checkbox"/> Adsorption Scrubber (need Form 30) <input type="checkbox"/> Low VOC resins <input type="checkbox"/> Dust Collection System <input type="checkbox"/> Enclosed Spray Gun Cleaners <input type="checkbox"/> Other (explain in attachment)	
Spray Booth Data: Fan Motor H.P. Fan Size (in.) No. of Blades ACFM Exhaust Temperature Stack Height (from ground) Stack Inside Diameter Building Height, Width, Length Spray Booth Dimensions Spray Booth Filter Area Type of Filters	Line 1	Line 2	Line 3
Other Equipment: (attach written description or standard forms as indicated) <input type="checkbox"/> Hot Air Dryer (need Form 27) <input type="checkbox"/> Curing Oven (need Form 27) <input type="checkbox"/> Infrared Dryer <input type="checkbox"/> Abrasive Blaster (need Form 28) <input type="checkbox"/> Cyclone (need Form 13) <input type="checkbox"/> Baghouse (need Form 12)			
MATERIAL USAGE INFORMATION			
Provide the following information and attach copies of material Safety Data Sheets (MSDS) for all resins, gelcoats, catalysts, solvents, paints and any other materials used which contain volatile organic compounds. Use additional pages if necessary.			
NAME OF MATERIAL (as on MSDS):		ESTIMATED ANNUAL USAGE (in gallons):	

Note: See back of form for information on ORCAA-approved equipment and operations.

REQUIREMENTS FOR NEW FACILITIES PRODUCING FIBERGLASS REINFORCED PLASTICS

ORCAA, 12/28/95

1. **Spray Booth:** A spray booth or enclosure is required for new Fiberglass Reinforced Plastics (FRP) industries within ORCAA's jurisdiction. The spray booth shall be capable of capturing overspray and emissions from spray coating and lamination operations. All spray coating and lamination shall be conducted inside the controlled spray booth area and only when the spray booth fan is operating properly.
2. **Spray Exhaust Stacks:** Spray booth exhaust shall exit through a vertical stack with a vertical discharge to the atmosphere at no less than one and one third the height of the building or 6 feet from the peak of the building roof line, whichever is the greater height. There shall be no flow obstructions at the point of discharge from the stack (i.e. cap). However, a butterfly damper or other weatherproof damper which does not obstruct the exhaust as it exits the stack is acceptable (see diagram below).
3. **Spray Booth Filters:** Spray booth filters shall be suitable for capture of overspray and shall be changed on a regular schedule according to the filter manufacturer recommendations. Filters shall be properly seated and shall cover all openings.
4. **Spray Booth Exhaust Ducts:** Spray booth exhaust ducts shall be visibly clean and free of buildup.
5. **Control of Volatile Organic Emissions:** Emissions of volatile organic compounds (VOCs) shall be controlled or minimized by use of either a control device such as an incinerator or adsorption scrubber, or through appropriate pollution prevention measures such as use of vapor suppressed or low styrene content resins.
6. **Minimizing Volatile Organic Emissions:** All reasonable measures and precautions shall be taken for minimizing volatile organic compound (VOC) emissions including:
 - a. Keeping VOC-containing materials in closed, air-tight containers when not being used.
 - b. Minimizing and promptly cleaning up all spills and leaks.
 - c. Recycle cleaning solvents by using an enclosed spray gun cleaner or flushing cleaning solvent back into the solvent bath or tank. **NOTE:** Cleaning spray guns and lines by spraying solvent into the air, filter banks, or on any surface where the solvent is not reclaimed and evaporates is **not acceptable**.
 - d. Standard procedures and schedule for checking and maintaining the spray booth system including inspection of the filters, fan and ducting, and checking for overspray outside of the shop.
7. **Complaint Investigation and Resolution Plan:** The owner or operator shall work cooperatively with complainants and ORCAA to resolve any nuisance related complaints including complaints due to odors, fallout, or fugitive dust.
8. **Record Keeping:** The following records are required:
 - a. Record of the monthly usage in gallons of all VOC containing materials.
 - b. MSDS for all VOC containing materials.
 - c. A copy of the final Approval Order issued by ORCAA.

FIGURE 1: Acceptable weatherproof exhaust systems:

