

**SAN DIEGO AIR POLLUTION CONTROL DISTRICT**

<b>SUPPLEMENTAL APPLICATION INFORMATION</b>
<b>FEE SCHEDULES</b>
<b>27 U, V, W</b>

<b>San Diego APCD Use Only</b>
<b>Appl. No.:</b>
<b>ID No.:</b>

**ADHESIVE MATERIAL APPLICATION OPERATIONS**

**INSTRUCTIONS:**

- **PLEASE TYPE OR PRINT THE INFORMATION REQUESTED BELOW.**
- **ATTACH THE FOLLOWING TO THE COMPLETED SUPPLEMENTAL FORM:**
  1. Material Safety Data Sheet (MSDS) of all coatings & solvents used in this operation.
  2. Sketch of the process equipment and associated ventilation equipment including duct sizes and fans.
  3. Copy of Thomas Bros. map page with source location clearly identified.

**IMPORTANT NOTES TO APPLICANT:**

- **Completed forms with insufficient information may be returned to the applicant.** This will cause delays in application processing and may increase processing fees. The applicant should correspond with equipment and material manufacturers to obtain the information requested in this supplemental form.
- **Before acting on an application for Authority to Construct or Permit to Operate, the District may require further information, plans, or specifications.**

1 **COMPANY NAME:** \_\_\_\_\_

2 **EQUIPMENT ADDRESS:** \_\_\_\_\_

3 **A. EQUIPMENT DESCRIPTION**

4 **1) Method(s) of Adhesive Application:**

- 5  High-Volume Low-Pressure (HVLP) Spray Gun     Electrostatic Spray Gun     Brush     Roller
- 6  Dip Tank                       Flow Coat                       Other \_\_\_\_\_

7 If using HVLP, does the facility have an air cap pressure gauge or air inlet pressure gauge with manufacturer's technical  
8 information showing correlation between handle air inlet pressure and air cap pressure?                       Yes     No

9 Complete the following information for all spray guns (please use additional sheet if needed):

10 Manufacturer: \_\_\_\_\_ Model: \_\_\_\_\_

11 Manufacturer: \_\_\_\_\_ Model: \_\_\_\_\_

12 **2) Application Station and/or Dip Tank Description:**

- 13 Adhesives are Applied in:     Spray Booth                       Additional Spray Booth (for existing facility)
- 14                       Outdoors                       Room                       Other \_\_\_\_\_

15 Dimensions: \_\_\_\_\_ ' Length, \_\_\_\_\_ ' Width, \_\_\_\_\_ ' Height; Exhaust Flow Rate (fan): \_\_\_\_\_ cu ft/min

Complete the following information if spray booth(s) are used:

16 Manufacturer: \_\_\_\_\_ Model: \_\_\_\_\_

17 Manufacturer: \_\_\_\_\_ Model: \_\_\_\_\_

18 **3) Drying Method and Equipment Description**

19  Air Dried  Oven Dried  Other \_\_\_\_\_

If other than Air Dried, complete the following information:

20 Oven Manufacturer: \_\_\_\_\_ Model: \_\_\_\_\_

21 Drying Temperature: \_\_\_\_\_ °F Dimensions: \_\_\_\_\_ ' Length, \_\_\_\_\_ ' Width, \_\_\_\_\_ ' Height

22 **B. PROCESS DESCRIPTION**

23 Surfaces Bonded: \_\_\_\_\_

24 Product Description: \_\_\_\_\_

25 **1) Method of Surface Preparation:**  Buffing  Water  Abrasive Blasting  
 26  Sanding  Other \_\_\_\_\_

27  Solvent used: \_\_\_\_\_  
 (Solvent Manufacturer/Product ID Code)

28 VOC content: \_\_\_\_\_ g/l

29 Boiling Point: \_\_\_\_\_ (°C)

30 VOC vapor pressure: \_\_\_\_\_ (mm Hg @20 °C)

31 **2) Method of Equipment Cleanup:**  Spray Gun Washer  Totally Enclosed Container or System  
 32  Remote Solvent Reservoir  Cold Solvent Dip Tank  Other (Specify): \_\_\_\_\_

33  Solvent used: \_\_\_\_\_  
 (Solvent Manufacturer/Product ID Code)

34 VOC content: \_\_\_\_\_ g/l

35 Boiling Point: \_\_\_\_\_ (°C)

36 VOC vapor pressure: \_\_\_\_\_ (mm Hg @20 °C)

37 Is a solvent reclamation system used?  Yes  No If yes, please provide: Capacity: \_\_\_\_\_ (gals)

38 Manufacturer: \_\_\_\_\_ Model No.: \_\_\_\_\_

39 Are self-closing containers used for storing solvent-laden rags, waste materials?  Yes  No

40 **C. OPERATING SCHEDULE**

41 Maximum: \_\_\_\_\_ Hours/Day; \_\_\_\_\_ Days/Wk; \_\_\_\_\_ Weeks/Yr

42 Minimum: \_\_\_\_\_ Hours/Day; \_\_\_\_\_ Days/Wk; \_\_\_\_\_ Weeks/Yr

43 **D. SOLVENTS AND MATERIALS CONTAINING VOC**

- 44 • Complete the table below for each adhesive category used. Use additional sheets, if necessary. Refer to Rule
- 45 67.21(Adhesive Material Application Operations) for definition and adhesive category.
- 46 • Attach a current Material Safety Data Sheet (MSDS) for each adhesive to be used in this operation. (If VOC
- 47 content is not indicated on an MSDS and/or proprietary information is involved, please obtain additional
- 48 supporting and/or disclosure documents from manufacturer.)

Adhesive Category	Product Manufacturer	Product I.D. Number	Maximum Applied (gal/day)	VOC Content As Applied (g/l)	Rule Standard (g/l)

<b>General Adhesive</b>				
<b>Specialty Adhesive</b>				

Adhesive Category	Product Manufacturer	Product I.D. Number	Maximum Applied (gal/day)	VOC Content As Applied (g/l)	Rule Standard (g/l)
<b>Substrate-Specific Adhesive</b>					
<b>Other Adhesives</b>					

49 Enter the maximum daily usage of adhesives that can be applied in this operation: \_\_\_\_\_(gals)

50 Enter the maximum daily usage of solvents that can be used in this operation: \_\_\_\_\_(gals)

51 Enter the maximum annual usage of adhesives that can be used in this operation: \_\_\_\_\_(gals)

\* "Maximum Applied" means the amount of each material prepared for use, minus the amount of material disposed of or reclaimed.

52 **E. BEST AVAILABLE CONTROL TECHNOLOGY (BACT):**

53 For this operation, compliance with Rule 67.21 (Adhesive Material Application Operations) at a specified average daily  
54 material usage limit per year is considered as BACT.

55 Can this operation comply with Rule 67.21 at an average material usage limit of 10 gal/day?

56 If yes, the subject operation complies with the BACT requirement of the NEW Source Review Rule. No further BACT  
57 analysis is required.

58 If no, a top down BACT analysis will be required. (Please refer to the BACT Guidance Document on how to proceed)

59 **F. WASTE MATERIAL HANDLING:**

60 Storage Method for Solvent and Waste Materials: \_\_\_\_\_

61 Waste Materials Hauler: \_\_\_\_\_

62 **G. RULE 1200 TOXICS EVALUATION:**

63 **FACILITY SITE MAP** Please provide a copy of a **Thomas Bros. Map** showing the geographic location of your  
64 facility. This helps by making it possible for the District to use a Geographic Information System to identify community  
65 residents and workers who may be impacted by emissions from your facility.

66 **PLOT PLAN** Please also provide a **facility plot plan or diagram** (need not be to scale as long as distances of key  
 67 features from reference points are shown) showing the **location of emission point(s)** at the facility, property lines, and  
 68 the **location and dimensions of buildings** (estimated height, width, and length) that are closer than 100 ft. from the  
 69 emission point. This diagram helps by making it possible for the District to efficiently set-up the inputs for a health risk  
 70 evaluation. Inaccurate information may adversely affect the outcome of the evaluation.

71 **EMISSION POINT DATA** Determine if your emission source(s) are ducted sources or if they are unducted/fugitive  
 72 sources and provide the necessary data below. (**Examples** of commonly encountered emission points: **Ducted or Stack**  
 73 **Emissions** - an exhaust pipe or stack, a roof ventilation duct; **Unducted Emissions** - anything not emitted through a  
 74 duct, pipe, or stack, for instance, an open window or an outdoor area or volume.)

75 **1. Ducted or Stack Emissions** (For 1 or more emission points). Estimate values if you are unsure.

Parameter	Point #1	Point #2	Point #3	Point #4	Point #5	Point #6
Height of Exhaust above ground (ft)						
Stack Diameter (or length/width) (ft)						
Exhaust Gas Temperature* (°F)						
Exhaust Gas Flow (actual cfm or fps)						
Is Exhaust Vertical (Yes or No)						
Raincap? (None, Flapper Valve, Raincap)						
Distance to Property Line (+/- 10 ft)						

\* Use “70 °F” or “Ambient” if unknown

76 **2. Unducted Emissions** (For 1 or more emission points). Estimate if you are unsure.

77 **Describe how unducted gases, vapors, and/or particles get into the outside air.** Provide a brief description of the  
 78 process or operation for each unducted emission point. If unducted emissions come out of building openings such as  
 79 doors or windows, estimate the **size of the opening** (example – 3 ft x 4 ft window). If unducted emissions originate  
 80 outside your buildings, estimate the **size of the emission zone** (example - paint spraying 2’ x 2’ x 2’ bread boxes).

81 \_\_\_\_\_

82 \_\_\_\_\_

83 \_\_\_\_\_

84 \_\_\_\_\_

85 \_\_\_\_\_

86 \_\_\_\_\_

87 **RECEPTOR DATA** A receptor is a residence or business whose occupants could be exposed to toxic emissions from  
 88 your facility. In order to estimate the risk to nearby receptors, please provide the distance from the emission point to the  
 89 nearest residence and to the nearest business.

91 Distance to nearest residence \_\_\_\_\_ ft                      Distance to nearest business \_\_\_\_\_ ft

92 **Prepared by:** \_\_\_\_\_ **Title:** \_\_\_\_\_

93 **Phone No.:** (\_\_\_\_) \_\_\_\_\_ **Date:** \_\_\_\_\_

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