

**SAN DIEGO AIR POLLUTION CONTROL DISTRICT**

<b>SUPPLEMENTAL APPLICATION INFORMATION</b>
<b>FEE SCHEDULES</b>
<b>02A &amp; 02B</b>

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

**ABRASIVE BLAST ROOMS, CABINETS, AND BOOTHS**

1 **Company Name:** \_\_\_\_\_

2 **Address:** \_\_\_\_\_

3 **A. EQUIPMENT DESCRIPTION:** (Attach a drawing showing equipment placement and duct work, etc.)

	Booth/Room/Cabinet	Dust Control Equip.	Blast Machine
Manufacturer			
Model			
Serial No.			

4 Filter Manufacturer: \_\_\_\_\_ Filter Model No. \_\_\_\_\_

5  Filter bags     Cotton     Dacron     Other (specify) \_\_\_\_\_

6  Filter cartridges     Filter panels    Number of filter bags or cartridges or panels: \_\_\_\_\_

7 Each filter dimension: \_\_\_\_\_ in. long x \_\_\_\_\_ in. wide x \_\_\_\_\_ in. diameter.

8 The dust collection efficiency is \_\_\_\_\_% for \_\_\_\_\_ micron size particulate.

9 Filter cleaning method:     Reverse pulse     Reverse air     Mechanical shaking     Automatic     Manual

10 A differential pressure gauge is installed across the filter media.     Yes     No.

11 Typical gauge reading is \_\_\_\_\_ inches water.    Filter system total air flow rate: \_\_\_\_\_ cubic feet/min.

12 Vent duct size \_\_\_\_\_ feet long x \_\_\_\_\_ inches diameter.

13 How is dust transferred from the collection system to the storage container?

14  Through a gate or slide valve and through a sealed duct     Open transfer

15  Enclosed transfer with vacuum attached    Other (specify) \_\_\_\_\_

16 Waste dust is stored and disposed of in sealed containers.     Yes     No

17 Dust and abrasive transfer systems are free of dust leaks.     Yes     No

18 Nozzles: Maximum number used at one time: \_\_\_\_\_    Blasting pressure at nozzle: \_\_\_\_\_ pounds (psi)

19 Nozzle size(s) (inside diameter)      $\frac{3}{16}$ " (#3)      $\frac{1}{4}$ " (#4)      $\frac{5}{16}$ " (#5)      $\frac{3}{8}$ " (#6)

20      $\frac{7}{16}$ " (#7)      $\frac{1}{2}$ " (#8)      $\frac{5}{8}$ " (#10)      $\frac{3}{4}$ " (#12)

21 Compressor motor:     Electric     Diesel engine     Gasoline    Compressor rating: \_\_\_\_\_ cubic ft/min.

22 Diesel/gasoline engine mfg.: \_\_\_\_\_    Engine model: \_\_\_\_\_

23 Engine size: \_\_\_\_\_ horse power; is the crank case vent emission filtered?     Yes     No

24 Abrasive recycling system is used  Yes  No  
 25 Vacuum producing system for recycling:  Vacuum pump  Ventuir  Eductor  Ejector  Fan  
 26 Recycling system cyclone/separator is \_\_\_\_\_ inches long x \_\_\_\_\_ inches diameter.  
 27 Recycled abrasive hopper is \_\_\_\_\_ inches long x \_\_\_\_\_ inches wide x \_\_\_\_\_ inches high.  
 28 When the abrasive recycling system includes a filter system, provide filter systems brochure.  
 29 Dust weight collected during recycling average \_\_\_\_\_ lbs/hr., maximum \_\_\_\_\_ lbs/hr.

30 **B. MATERIAL USAGE**

31 Enter the weight of each type of abrasive material used in this booth, room, or cabinet.

Abrasive Manufacturer	Grit Name & Grit Size	Average Usage			Maximum Usage		
		Lbs/Hr	Tons/Wk	Tons/Yr	Lbs/Hr	Tons/Wk	Tons/Yr

32 Compressor Engine Fuel Usage.

Gal/Hr		Gal/Mo	
Avg	Max	Avg	Max

33 **C. DUST COLLECTION DATA**

34 Enter the weight of dust collected by the filter system.

Pounds/Hr		Pounds/Day		Pounds/Yr	
Avg	Max	Avg	Max	Avg	Max

35 Submit a brochure that indicates the dust collection efficiency of the filters.

36 The dust collection efficiency is \_\_\_\_\_ % for \_\_\_\_\_ micron size particle.

37 Submit Material Safety Data Sheet (MSDS) for the abrasive used and for the material being removed or the surface  
 38 being blasted.

39 Does the process involve toxics (such as lead, chrome, nickel, cadmium, mercury)?  Yes  No

40 If so, submit Material Safety Data Sheets for materials containing toxics.

41 **D. RULE 1200 TOXICS EVALUATION:**

A refined toxics evaluation is required when materials containing chromium, nickel, lead, or copper are used or  
 42 processed.

43 **FACILITY SITE MAP** Please provide a map showing the geographic location of your

44 facility. This helps by making it possible for the District to use a Geographic Information System to identify community  
 45 residents and workers who may be impacted by emissions from your facility.

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

51 **EMISSION POINT DATA** Determine if your emission source(s) are ducted sources or if they are unducted/fugitive  
 sources and provide the necessary data below. (**Examples** of commonly encountered emission points: **Ducted or Stack**

52 **Emissions** - an exhaust pipe or stack, a roof ventilation duct; **Unducted Emissions** - anything not emitted through a  
 53 duct, pipe, or stack, for instance, an open window or an outdoor area or volume.)

54 **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

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

56 **Describe how unducted gases, vapors, and/or particles get into the outside air.** Provide a brief description of the  
 57 process or operation for each unducted emission point. If unducted emissions come out of building openings such as  
 58 doors or windows, estimate the **size of the opening** (example – 3 ft x 4 ft window).

59 If unducted emissions originate outside your buildings, estimate the **size of the emission zone** (example - paint  
 60 spraying 2' x 2' x 2' bread boxes).

61 \_\_\_\_\_

62 \_\_\_\_\_

63 \_\_\_\_\_

64 \_\_\_\_\_

65 \_\_\_\_\_

66 \_\_\_\_\_

67 \_\_\_\_\_

68 \_\_\_\_\_

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

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

73 **Name of Preparer:** \_\_\_\_\_ **Title:** \_\_\_\_\_

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

**NOTE TO APPLICANT:**

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