SAN DIEGO AIR POLLUTION CONTROL DISTRICT

### SUPPLEMENTAL APPLICATION INFORMATION

<table>
<thead>
<tr>
<th>FEE SCHEDULES</th>
<th>San Diego APCD Use Only</th>
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<tbody>
<tr>
<td>02A &amp; 02B</td>
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**ABRASIVE BLAST ROOMS, CABINETS, AND BOOTHBS**

**Company Name:**

**Address:**

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

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>Dust Control Equip.</th>
<th>Blast Machine</th>
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<table>
<thead>
<tr>
<th>Filter Manufacturer:</th>
<th>Filter Model No.</th>
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- **Filter bags**
- **Filter panels**
- Number of filter bags or cartridges or panels:

- Each filter dimension: in. long x in. wide x in. diameter.
- The dust collection efficiency is % for micron size particulate.

**Filter cleaning method:**
- **Reverse pulse**
- **Reverse air**
- **Mechanical shaking**
- **Automatic**
- **Manual**
- A differential pressure gauge is installed across the filter media. **Yes** **No**
- Typical gauge reading is inches water.
- Filter system total air flow rate: cubic feet/min.

**Vent duct size** feet long x inches diameter.

**How is dust transferred from the collection system to the storage container?**
- Through a gate or slide valve and through a sealed duct **Open transfer**
- Enclosed transfer with vacuum attached **Other (specify)**

- Waste dust is stored and disposed of in sealed containers. **Yes** **No**
- Dust and abrasive transfer systems are free of dust leaks. **Yes** **No**

**Nozzles:**
- Maximum number used at one time: Blasting pressure at nozzle: pounds (psi)

- **Nozzle size(s) (inside diameter):**
  - 3/16 (#3)
  - 1/4 (#4)
  - 5/16 (#5)
  - 3/8 (#6)
  - 7/16 (#7)
  - 1/2 (#8)
  - 5/8 (#10)
  - 3/4 (#12)

**Compressor motor:**
- **Electric**
- **Diesel engine**
- **Gasoline**

**Compressor rating:** cubic ft/min.

**Diesel/gasoline engine mfg.:**

**Engine model:**

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

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Rev. 5/03 1 of 3 (02A & B)
Abrasive recycling system is used  □ Yes  □ No

Vacuum producing system for recycling:  □ Vacuum pump  □ Ventur  □ Eductor  □ Ejector  □ Fan

Recycling system cyclone/separator is ______ inches long x ______ inches diameter.

Recycled abrasive hopper is ______ inches long x ______ inches wide x ______ inches high.

When the abrasive recycling system includes a filter system, provide filter systems brochure.

Dust weight collected during recycling average ______ lbs/hr., maximum ______ lbs/hr.

B. MATERIAL USAGE

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

<table>
<thead>
<tr>
<th>Abrasive Manufacturer</th>
<th>Grit Name &amp; Grit Size</th>
<th>Average Usage Lbs/Hr</th>
<th>Average Usage Tons/Wk</th>
<th>Average Usage Tons/Yr</th>
<th>Maximum Usage Lbs/Hr</th>
<th>Maximum Usage Tons/Wk</th>
<th>Maximum Usage Tons/Yr</th>
</tr>
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Compressor Engine Fuel Usage.

<table>
<thead>
<tr>
<th>Gal/Hr</th>
<th>Gal/Mo</th>
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<tbody>
<tr>
<td>Avg</td>
<td>Max</td>
</tr>
<tr>
<td>Avg</td>
<td>Max</td>
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</table>

C. DUST COLLECTION DATA

Enter the weight of dust collected by the filter system.

<table>
<thead>
<tr>
<th>Pounds/Hr</th>
<th>Pounds/Day</th>
<th>Pounds/Yr</th>
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</thead>
<tbody>
<tr>
<td>Avg</td>
<td>Max</td>
<td>Avg</td>
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Submit a brochure that indicates the dust collection efficiency of the filters.

The dust collection efficiency is ______ % for ______ micron size particle.

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

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

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

D. RULE 1200 TOXICS EVALUATION:

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

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

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

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

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

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Point #1</th>
<th>Point #2</th>
<th>Point #3</th>
<th>Point #4</th>
<th>Point #5</th>
<th>Point #6</th>
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<tbody>
<tr>
<td>Height of Exhaust above ground (ft)</td>
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<td>Stack Diameter (or length/width) (ft)</td>
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<td>Exhaust Gas Temperature* (°F)</td>
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<td>Exhaust Gas Flow (actual cfm or fps)</td>
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<td>Is Exhaust Vertical (Yes or No)</td>
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<td>Raincap? (None, Flapper Valve, Raincap)</td>
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<td>Distance to Property Line (+/- 10 ft)</td>
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Use “70 °F” or “Ambient” if unknown

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

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

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

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

Distance to nearest residence _________ ft  Distance to nearest business _________ ft

Name of Preparer: ___________________________  Title: ___________________________

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.