



INSTRUCTIONS FOR ABRASIVE BLASTING 001

This form is used for permitting of “confined” and “unconfined” abrasive blasting. Confined blasting is abrasive blasting conducted within a permanent building. Unconfined blasting is abrasive blasting conducted outside a permanent building. Confined abrasive blasting may be required to be conducted within an enclosure (such as a room, booth, or cabinet) with a baghouse or cartridge dust collector as a Best Available Control Technology (BACT) requirement.

Blast cleaning equipment using a suspension of abrasives in water is exempt from permit requirements pursuant to APCD Rule 23.B.6. Internal combustion engines having a maximum design power rating of less than 50 brake horsepower are exempt from permit requirements pursuant to APCD Rule 23.D.6. Therefore, abrasive blasting operations using compressed air as a propelling force are required to obtain an APCD Permit to Operate. In addition, compressor engines rated at 50 BHP or greater must be included on the permit.

You must supply the District with information for all abrasive blasting operations that require a permit. District application form “Blasting001” must be completed. Please use additional copies of the form as needed. Please provide all applicable information including abrasive blasting pot, booth, cabinet, and dust control equipment, as applicable.

Portable abrasive blasting operations that require an engine to provide power to operate a compressor, must submit appropriate engine data. For engines rated at 50 BHP or greater, complete District form “Engine102.” The engine rating that the District uses to classify the engine is the maximum continuous horsepower rating designated by the engine manufacturer.

All Permits to Operate issued by the APCD include conditions that limit the operation of each piece of equipment on the permit over any twelve (12) consecutive calendar months. The conditions are used to calculate the annual permitted emissions for each piece of equipment.

For an abrasive blasting operation, the condition will limit the tons per year of abrasives used. If this amount is set too low, your ability to use the abrasive blasting equipment will be limited. If this limit is set too high, your annual permit renewal fees, which are primarily based on permitted emissions, may be too high. On the form, you are required to indicate the annual amount of abrasives used and the type of abrasive used that you want as a limit on your permit.

If the operation can be described as an unconfined portable blasting operation, you may be eligible for a permit through the CARB Portable Equipment Registration Program (PERP) instead of a Permit with VCAPCD. More information can be found at the link below:

<https://ww2.arb.ca.gov/our-work/programs/portable-equipment-registration-program-perp/resources>



ABRASIVE BLASTING OPERATIONS

Please complete a separate form for each abrasive blasting operation. Attach equipment manufacturer's literature, if available, to this form. Contact the District if you have any questions.

Abrasive Blasting Operation Information

<input type="checkbox"/> Confined	Per VCAPCD Rule 74.1 "Abrasive Blasting," all abrasive blasting operations shall be conducted within a permanent building except as provided in Subsections B.1.b, B.2, or B.3 as described below (unconfined).
<input type="checkbox"/> Unconfined	Per VCAPCD Rule 74.1 "Abrasive Blasting" Subsections B.1.b, B.2, or B.3, the following abrasive blasting operations are exempt from being conducted in a permanent building (confined): <ul style="list-style-type: none"> <input type="checkbox"/> Steel or iron shot/grit is used exclusively. <input type="checkbox"/> The item(s) to be blasted exceeds eight (8) feet in any dimension. <input type="checkbox"/> The surface being blasted is situated at its permanent location or no further away from its permanent location than is necessary to allow the surface to be blasted. <input type="checkbox"/> Abrasive Blasting will be of raised Traffic delineating markers and/or pavement marking removal. <input type="checkbox"/> Abrasive blasting will be of stucco and/or concrete.

Abrasive Blasting Room/Booth/Cabinet Information (if applicable)

Abrasive Blasting Enclosure Description (Check One)	<input type="checkbox"/> Room <input type="checkbox"/> Booth <input type="checkbox"/> Cabinet <input type="checkbox"/> Other _____
Abrasive Blasting Room/Booth/Cabinet Manufacturer	
Abrasive Blasting Room/Booth/Cabinet Model	
Abrasive Blasting Room/Booth/Cabinet Dimensions (Please include units (inches, feet, etc.))	

Baghouse/Cartridge Dust Collector Information

Type of Control Equipment (Check One)	<input type="checkbox"/> Baghouse <input type="checkbox"/> Cartridge Dust Collector <input type="checkbox"/> Other (Please Specify): _____ <input type="checkbox"/> None
Manufacturer / Model (if applicable)	
Control Equipment Efficiency Rating (% filtration efficiency and particulate size) Include documentation with application.	



Abrasive Blasting Equipment Information

Abrasive Blasting Pot Manufacturer	
Abrasive Blasting Pot Model	
Abrasive Blasting Pot Capacity	_____ Pounds
Number of Abrasive Blasting Nozzles	
Maximum Internal Diameter of Nozzles	_____ Inches
Type of Abrasive Blasting Operation (Wet, Hydroblasting, Vacuum, Dry, Sweep, etc.)	

Information on Abrasives

Type of Abrasive (check all that apply)	<input type="checkbox"/> Aluminum Oxide <input type="checkbox"/> Glass Beads <input type="checkbox"/> Garnet <input type="checkbox"/> Crushed Glass <input type="checkbox"/> Steel Shot <input type="checkbox"/> Steel Grit <input type="checkbox"/> Crushed Nutshells <input type="checkbox"/> Cut Plastic <input type="checkbox"/> Other _____
Abrasive Manufacturer/Name	
Abrasive Density	_____ Pounds Per Cubic Foot
Requested Annual Abrasive Use	_____ Tons Per Year
<i>Please include a Manufacturer's specification sheet for the media that will be used with the application.</i>	

Information on Compressor

Compressor Type (Check one)	<input type="checkbox"/> Electric <input type="checkbox"/> Internal Combustion Engine Size _____ BHP If an internal combustion engine ≥ 50 BHP is used, complete Form Engine102.
Compressor Manufacturer	
Compressor Model	
Maximum Compressor Capacity	_____ CFM at _____ psig