



# West Bay Sanitary District Code of Safe Practice

FOR IMMEDIATE RELEASE  
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Questions or comments regarding this  
Code of Safe Practice should be directed  
to the Regulatory Compliance Coordinator.

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## Saw, Concrete

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### **SAFETY WARNINGS**

#### ***Silica Dust Warning***

Grinding/cutting/drilling of masonry, concrete, metal and other materials with silica in their composition may give off dust or mists containing crystalline silica. Silica is a basic component of sand, quartz, brick clay, granite and numerous other minerals and rocks. Repeated and/or substantial inhalation of airborne crystalline silica can cause serious or fatal respiratory diseases, including silicosis. In addition, California and some other authorities have listed respirable crystalline silica as a substance known to cause cancer. When cutting such materials, always follow respiratory precautions.

#### ***California Proposition 65 Message***

Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contain chemicals known (to the State of California) to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- Lead, from lead-based paints
- Crystalline silica, from bricks and cement and other masonry products
- Arsenic and chromium, from chemically treated lumber.

For further information, consult the following sources:

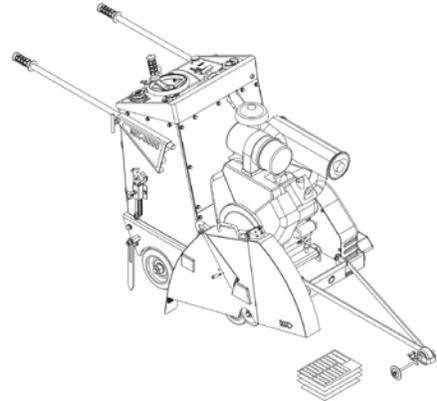
- <http://www.osha.gov/SLTC/silicacrystalline/index.html>
- [http://www.oehha.org/prop65/out\\_of\\_date/6022kLstA.html](http://www.oehha.org/prop65/out_of_date/6022kLstA.html)

Your risk from these exposures varies depending on how often you do this type of work. To reduce your exposure to these chemicals, work in a well-ventilated area, and work with approved safety equipment, such as dust masks specifically designed to filter out microscopic particles.

### **RULES FOR SAFE OPERATION**

## General Safety

- Review safe work practices for applicable equipment (including rental equipment) and perform pre-operational checks.
- Review and understand the manufacturer's operator's manual for this equipment.
- Never leave the machine unattended with the engine running.
- Do not operate or service this equipment before reading the manufacturer's operator & maintenance manual. Read and understand all warnings, instructions and controls on the machine.
- Persons, under the age of 18, should not operate this equipment. Never operate this equipment without proper protective clothing, shatterproof glasses, steel-toed boots and other protective devices required by the job.
- Never operate this equipment when not feeling well due to fatigue, illness or taking medicine.
- Never operate this equipment under the influence of drugs or alcohol.
- Whenever necessary, replace nameplate, operation and safety decals
- Always check the machine for loose bolts before starting.
- Always wear proper respiratory, head, ear and eye protection equipment when operating this machine.
- Always store equipment properly when it is not being used. Equipment should be stored in a clean, dry location out of the reach of children.
- Turn the "ON/OFF" switch to the "OFF" position prior to connecting the machine to the power source.
- Never leave the machine unattended.
- Turn off electric motor when unattended.
- Know how to stop the machine quickly in case of emergency.
- Never try to stop a moving blade with your hand.
- Never use a wet blade without adequate water supply to the blade.
- CAUTION must be observed while servicing the machine. Rotating parts can cause injury if contacted. Have all service performed by competent service personnel.



- Operate this machine only in well-ventilated areas. Always ensure that the machine is on level ground before using.
- Never operate this machine in an explosive atmosphere.

## **SAW BLADE SAFETY**

- Always keep area around the machine clear of obstructions and clear the work area of unnecessary people. Keep all body parts away from the blade and all other moving parts.
- Before starting the machine, check that all guards are in position and correctly fitted. Never allow blade exposure from the guard to be more than 180 degrees. Do not operate this machine with the transmission guard removed.
- Inspect the blade, flanges and shafts for damage before installing the blade. Never use damaged or worn blade flanges.
- Inspect the blade, flanges and size shown for each blade size. Do not exceed maximum blade speed shown, as excessive speed could result in blade breakage. Use only blades marked with a maximum operating speed greater than the blade shaft speed. Verify speed and saw drive configuration by checking blade shaft RPM and pulley diameters and blade flange diameters.
- Use the correct blade for the type of work being done. Use only reinforced abrasive blades or steel center diamond blades and flanges supplied with the saw or manufactured for use on concrete saws. Do not use carbide-tipped blades. Check with the blade manufacturer if you do not know if the blade is correct.
- Make sure the blade and flanges are clean and free of dirt and debris before mounting the blade on the saw. Verify the blade arbor hole matches the machine spindle before mounting the blade. Always mount the blade solidly and firmly. Wrench tighten the arbor nut.
- Make sure the blade is not contacting anything before starting the engine.
- Always cut in a straight line. Do not cut deeper than 1 inch per pass with a dry blade. Step cut to achieve deeper cuts. Never cock, jam, wedge or twist the blade in a cut. Do not grind on the side of the blade.
- Do not touch a dry cutting blade immediately after use. These blades require several minutes to cool after each cut. Do not use a blade that has been overheated (core has a bluish color).

## **FUELING SAFETY**

- Always use caution when handling fuel. Shut off the engine and allow to cool before refueling.

- Move the machine at least 10 feet from the fueling point before starting the engine and make sure the gas cap is on the machine and the fuel can is properly tightened.

### **PERSONAL PROTECTIVE EQUIPMENT**

<b>Protection Area</b>	<b>PPE Required</b>
Eye	Safety glasses or goggles meeting the ANSI Z87.1 Standard.
Face	Face shield where appropriate to prevent Spalding concrete from striking the face.
Hand	Work gloves.
Head	Hardhat.
Foot	Leather steel toe safety shoes or boots.
Body	Proper protective safety shirt and long leg pants.
Respiratory	N95 dust mask or air-purifying respirator with HEPA cartridge where appropriate.
Hearing	Wear earplugs or earmuffs as necessary.