



PALM BEACH STATE COLLEGE PERSONAL PROTECTIVE EQUIPMENT (PPE) JOB HAZARD ASSESSMENT

Department: Facilities	Campus: All
Task: Operate a Wet Saw	
Job Title(s) Performing Task: Carpenter, Maintenance Mechanic	

Reviewed by Rick Mincey, Carpenter II, and David Suarez, Carpenter I, July 29, 2015

Task Step/Sub-Tasks	Hazard(s)	Recommended PPE (Bolded)/Controls
1. Check condition of the tool and the cord and plug.	Electric shock	Do not use the tool if it is in poor condition; the cord is missing insulation; or the plug is missing its grounding prong.
2. Assemble the wet saw on stable ground making sure that the tile tray clears the blade.	Impact (from flying debris resulting from the saw cutting into the tile tray)	Wear safety glasses .
3. Check condition of the saw blade—no cracks or bends.	Cuts	Avoid contact with the blade teeth.
		Ensure that the tool is unplugged.
4. Check that guard is in working condition and in the proper position, if applicable.	Cuts	Wear work gloves .
		Avoid contact with the saw blade.
5. Add water to wet saw reservoir, plug in wet saw and turn it on.	Cuts (from starting the saw in the “On” position)	Wear work gloves .
		Ensure that water is flowing through the pump and hose.
6. Operate wet saw.	Impact (from flying debris resulting from cutting)	Ensure saw is in the “Off” position before plugging it in.
		Wear safety glasses .
		Ensure that material being worked on is secured.
	Impact (from kickback)	Ensure that blade is sharp and not binding during operation. Do not force the cut. Allow the saw to reach full power before starting the cut.
		If blade binds or kicks back, inspect it for bends and cracks.

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6 (continued). Operate wet saw.	Electric shock	<ul style="list-style-type: none"> • Connect saw to a Ground Fault Circuit Interrupter (GFCI) outlet. • Do not use extension cord without a grounding prong. • Drape the electrical cord down so that it dips below the level of the electrical outlet. • Keep all cords clear of cutting area.
	Noise	Wear ear plugs .
	Cuts	Keep hands and fingers away from the cutting line.
		Wear work gloves .
	Harmful dust	Wear filtering facepiece respirator (particulate mask) .
Impact (from slips and falls due to water spills)	Keep water spills cleaned up.	
7. Change wet saw blade or make adjustments.	Cuts/Impact	Ensure tool is unplugged before changing any part or making any adjustments to the tool. Set the depth of the blade and lock it so that the lowest tooth does not extend more than about 1/8 inch below the material being cut.
		Wear work gloves .
8. Turn off and unplug wet saw.	None foreseen	N/A

NOTE: Basic hazard categories include – **impact** (falling/flying objects, struck by), **falls from height**, **penetration** (sharp objects piercing foot/hand, other body parts), **compression** (roll-over or pinching), **cuts**, **burns**, **chemical exposure** (inhalation, ingestion, skin contact, eye contact or injection), **heat**, **extreme cold**, **harmful dust**, **noise**, **light (optical) radiation** (welding, brazing, cutting, furnaces, etc.), **ionizing radiation**, **non-ionizing (RF energy) radiation**, **electrical shock**, **ergonomics** (includes back strain or other strain due to lifting/stretching) and **biologic**.



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CERTIFICATION: I certify that I have personally performed the above Job Hazard Assessment on the date indicated below. *This document is a Certification of the Hazard Assessment required by 29 CFR 1910.132(d)(2).*

Larry L. Leskovjan	<i>Larry L. Leskovjan</i>	July 29, 2015
Printed Name	Signature	Date