

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

<b>Department:</b> Facilities	<b>Campus:</b> All
<b>Task:</b> Operate an Air Compressor (Portable Electric)	
<b>Job Title(s) Performing Task:</b> Carpenter, Groundskeeper, Maintenance Mechanic, Painter	

*Reviewed by Mark Pruszynski, Painter II, July 23, 2015*

Task Step/Sub-Tasks	Hazard(s)	Recommended PPE (Bolded)/Controls
1. Perform pre-operational check of equipment, e.g., condition of electric cord and plug.	None foreseen	Ensure that the cord is not damaged and the plug has a grounding prong.
		If deficiencies are noted, remove from service and repair/replace as necessary.
2. Move air compressor to point of use.	Ergonomics (back or other strain)	Lifting/Back Safety training
		Do stretching and warm-up exercises before starting work.
3. Connect air hose to compressor and tool or equipment	Compression (from pinched finger while connecting hose)	Wear <b>work gloves</b> .
4. Insert plug into outlet and turn compressor on. Allow air pressure to increase to desired level.	None foreseen	N/A
5. Use air compressor to power tools and equipment. See also JHA "Operate a Nail Gun".	Impact (from uncontrolled release of air creating projectiles and flying debris)	Wear <b>safety glasses with side shields</b> .
		When used for cleaning purposes, air pressure must be adjusted to less than 30 psi.
		Never use compressed air to clean your body or clothing.
	Noise	Wear <b>ear plugs</b> .
	Electric shock (while performing maintenance/repair on the air compressor)	Unplug electric cord and retain control of the plug.
Impact (from tool operation due to unexpected start-up while changing the tool or its components)		Turn air compressor off.

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5 (continued). Use air compressor to power tools and equipment. See also JHA "Operate a Nail Gun".	Impact (from falling due to tripping over air hose)	Arrange air hose in a manner to minimize trip and fall hazards.
		Maintain situational awareness.
		Wear <b>work shoes with slip-resistant soles.</b>
6. Shut off compressor, bleed air from lines and disconnect hose.	Impact (from uncontrolled release of air creating projectiles and flying debris)	Wear <b>safety glasses.</b>
	Compression (from pinched finger while disconnecting hose)	Wear <b>work gloves.</b>
7. Remove plug from outlet when work is completed and return air compressor to storage.	Ergonomics (back or other strain)	Lifting/Back Safety training
		Do stretching and warm-up exercises before starting work.

**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**.

**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 23, 2015
<b>Printed Name</b>	<b>Signature</b>	<b>Date</b>