



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

Department: Facilities; Business, Trade & Industry	Campus: All
Task: Cut Metals with Oxy-Acetylene (Cutting) Torch	
Job Title(s) Performing Task: A.C. Mechanic, A.C. & Energy Management Systems Specialist, Electrician, Electronic Systems Technician, Maintenance Mechanic, Maintenance Worker, Vehicle Equipment Mechanic, PSAV Personnel	

Reviewed by Chris Ward, Grounds & Landscaping Supervisor, July 29, 2015

Task Step/Sub-Tasks	Hazard(s)	Recommended PPE (Bolded)/Controls
1. Close off welding area.	Light (optical) radiation	Close welding curtain to shield outsiders.
2. Prepare for welding.	Chemical exposure (from inhalation of fumes)	Turn on exhaust fan.
	Impact (from flying slag spatter) Burns (from sparks and slag spatter)	Wear welding hood.
		Wear welding jacket.
		Wear work gloves.
3. Set gauges and open gas cylinder valves.	Compression (from pinching of fingers and hands)	Avoid pinch points. Wear work gloves.
	Impact (from struck by due to projectile created by regulator failure)	Turn valve slowly; do not stand in front of regulator/gauges.
4. Clean torch tip; ensure hose valves are tight; unwrap hoses.	Compression (from pinching of fingers and hands)	Avoid pinch points. Wear work gloves.
	Impact (from struck by due to tripping over cables)	Take care to keep cables untangled and free from under feet.
5. Use striker to light torch.	Burns	Wear welding hood.
		Wear welding jacket.
		Wear work gloves.
		Wear work shoes.

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6. Apply torch flame to material to be cut and perform cutting operation.	Impact (from flying slag spatter) Burns (from sparks and slag spatter)	Wear welding hood .
		Wear welding jacket .
		Wear work gloves .
		Wear work shoes .
7. Allow cut material to cool on workbench.	None foreseen	N/A
8. Close compressed gas valves and bleed off regulators.	None foreseen	N/A
9. Wrap hoses.	Impact (from struck by due to tripping over cables)	Take care to keep cables untangled and free from under feet.
	Compression (from pinched fingers)	Avoid pinch points. Wear work gloves .
10. Clean work area.	Burns (from handling hot material)	Allow material to continue to cool.
		Wear work gloves .

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 29, 2015
Printed Name	Signature	Date