

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

Department: Facilities	Campus: All
Task: Operate a Chain Saw (Gasoline-Powered)	
Job Title(s) Performing Task: Groundskeeper	

Reviewed by Sal Vacirca, Campus & Offsite Facilities Manager, July 30, 2015

Task Step/Sub-Tasks	Hazard(s)	Recommended PPE (Bolded)/Controls
1. Keep hair and loose clothing away from equipment. Check fuel level; refill as necessary.	Burns (from static electricity or open flame that starts a fire)	No metal fuel containers.
		No smoking.
		Start engine at least 10 feet away from fuel source.
2. Check oil level, chain, loose parts, guard, etc.	Cuts (from chain while checking it)	ALWAYS make sure that the chain saw is "Off" before inspecting.
		Wear no-slip, heavy duty or other cut-resistant work gloves .
3. Utilize ladder or aerial lift device as necessary to access tree or other material to be cut. See also JHA "Use a Ladder" or JHA "Operate an Aerial Lift Device".	Falls from height	Ladder Safety training
		Use Personal Fall Arrest System when using aerial lift device.
4. Turn ignition switch on.	None foreseen	N/A
5. Pull starter cord to start engine.	Ergonomics (back/other strain from pulling starter cord)	Do stretching and warm-up exercises before starting engine.
		Never "drop start".
		Pull recoil starter handle quickly, but steadily, straight back from engine in one smooth motion and allow the starter cord to rewind slowly.

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6. Engage cutting chain, as necessary.	Impact (from objects thrown by rotating chain, thrown chain, particles blown into eyes, falling limbs)	Wear safety glasses with side shields and a hard hat .
		Ensure correct chain tension (no loose chain). When pedestrians are approaching within close proximity of the work area, shut the chain "Off" until they pass by to prevent any debris from flying in their direction.
	Cuts (from rotating chain, kickback)	Wear no-slip, heavy duty or other cut-resistant work gloves .
		Wear long trousers and long-sleeve shirt .
		Wear work shoes with a safety toe . Turn engine off when removing obstructions or performing maintenance. Install anti-kickback device, low- or reduced-kickback chain and guide bar
	Noise (from engine)	Wear ear plugs .
	Ergonomics (back or other strain from reaching too far or awkward positions)	Do stretching and warm-up exercises before starting work. Use easy motions; avoid over-reaching, twisting, bending and awkward positions.
Ergonomics (possible injury to hands due to vibration from engine operation)		Wear no-slip, heavy duty work gloves .
7. Complete work. Turn ignition switch off.	None foreseen	N/A
8. Check fuel level; refill as necessary.	Burns (from static electricity or open flame that starts a fire)	No metal fuel containers.
		No smoking.
		Allow engine to cool before refueling.

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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 30, 2015
Printed Name	Signature	Date