

Date: _____

Inspector(s): _____

Job Title: _____

Chair: _____

Signature: _____



THOMPSON RIVERS UNIVERSITY

WELDING HAZARD CHECKLIST

This list is not exhaustive and over time new hazards may come to be. The space at the bottom is for you to add your own identified hazards. Please notify the OH&S department so the checklist can be updated with these additions. Answering 'no' to any of the following questions indicates a need for corrective action to be taken.

		YES	NO	COMMENTS	PERSON RESPONSIBLE FOR ACTION	DATE ACTION COMPLETED
1.	Hazard & Location					
1.	General safety – are electrical safety procedures posted and enforced? Are protocols in place for PPE? Are there signs of safety rules posted? Is there adequate training? Are there any “no food or drink” signs? Is there an eyewash station located there? (272)					
2.	Fumes (welding booths) -Is ventilation in the welding booths in good condition? Has ventilation system been tested within the last year? (272)					
3.	Brake- Are the safety stickers posted? Is foot controls in good condition? Is there an ESD installed?					
4.	Shear- Are there safety stickers posted? Are guards in place and in good condition? Is there an ESD installed? Are all guides in good condition? Is the mirror in good condition and positioned properly? (272)					

		YES	NO	COMMENTS	PERSON RESPONSIBLE FOR ACTION	DATE ACTION COMPLETED
5.	Drill Press - Are there safety stickers on the drill? Are guards in place? (272)					
6.	Storage - Are all materials safely and properly stored? (272, outside)					
7.	Grinder – Is tool rest gap set correctly? What condition is the grinder stone in? Is a face shield provided? (272C)					
8.	Floors - Are floors clean and free of grease and spills? Are all walkways clear?					
9.	Gas cylinders -Are all gas cylinders clearly labeled? Are gas cylinders stored in a proper secure storage? Is MSDS available for all gas cylinders? Is there safety training and supervision? (272, outside)					
10.	Cutting station - is safety training provided? Are all PPE used? (outside)					
11.	Iron Worker - Are all guards in place and in good condition? (outside)					
12.	Chop Saw - Are all required PPE used? Is wheel guard in place and in good condition? (outside)					
13.	Belt Sander - Are safety stickers posted? Is the guard in place and in good condition? (outside)					
14.	Roller - Is there safety training in the operation of the roller? (outside)					
15.	Gantry Crane -Is there adequate training and supervision? Are safe work procedures in place? Has the crane been inspected within the last month? Is the crane inspected before use? Are wheel blocks used? (outside)					

General Issues to Always Look For

- Cords: Damaged extension cords, chains of extension cords, Male prong missing, proper wire size
- Lockouts: when doing work on any piece of power equipment, proper precautions must be taken to ensure the power source has been eliminated and locked out. If it's just a matter of unplugging the cord from the wall, the individual doing the work must have a constant view of the unplugged cord.
- Safe work procedures: safe work procedures must be readily available at all times
- Spills: ensure anything spilled has been cleaned up to avoid slipping hazards and exposure, a procedure should be in place to remedy accidental spills
- Work benches: work space on benches should be adequate to work safely
- Walkways: designated walk ways and safety areas should be clearly marked
- Combustibles: a collection of combustible materials such as oil rags, cardboard or garbage should be eliminated
- Equipment: equipment used must be certified and in good working condition. Anything broken should be flagged and not used.
- PPE: requirement signs should be posted on doors to shops and requirements **MUST** be enforced
- Training: all students need to be trained on any safety issues and equipment they are expected to use. It is a good idea to also do a follow up refresher training mid term.
- Eyewash: eyewashes should be flushed often to avoid dirt build up and to ensure they are working adequately
- Distraction: it is crucial to ensure students are totally focused on their tasks. All distractions should be avoided.
- Containers: any container that holds chemicals **MUST** be properly labeled and stored
- High hazard areas should be clearly marked and identified, either with signs or floor taping
- A program for servicing and preventive maintenance should be in place
- Signs: relevant warning signs relating to **ALL** workshop hazards should be displayed
- Waste: waste materials should be stored appropriately, and a procedure should be in place to legally dispose of the waste
- Housekeeping – if upon inspection you notice that lighting is not adequate, doors don't close properly, or something is damaged, make note of it to ensure the right people are informed
- Clutter – walkways, doorways and places where hazardous materials are stored should be free of clutter to avoid trips etc