



Job Safety Analysis (JSA) Form

Job/Task	Location	Date of Job
Department	Job Conducted By	Supervisor
For Contractors Only	Company Name	UofT Contract (person commissioning the work)

Job Steps:	Potential Hazards: (Refer to Table 1 for guidance)	Preventative Measures/Controls: <small>Please see below for Hazard Control Measures</small>



List of Emergency Procedures and Contact Information	
Emergency Contact Information	
Supervisor	
Nearest First Aid Provider/First Aid Kit	
UofT Police	416-978-2222
911	9-911

List of PPE Required	Other Equipment	Training/Competencies
Eyewear: _____		
Footwear: _____		
Gloves: _____		
Respirator: _____		
Face shield: _____		
Hearing Protection: _____		
Other: _____		

JSA Preparation	
Prepared By:	Approved By:
Name: _____	Name: _____
Signature: _____	Signature: _____
Date: _____	Date: _____
Prior to the work, this JSA has been reviewed by:	
Supervisor: _____	<i>For Contractors:</i>
Supervisor Signature: _____	UofT Contact: _____
Worker(s): _____	UofT Contact Signature: _____
_____	_____
_____	Contractor Rep: _____
Worker(s) Signature: _____	Contractor Rep Signature: _____
_____	_____
_____	_____



Distribution List:

Hazard Control Measure

The order of effective control of hazards are:

1. Engineering controls
2. Administrative controls
3. Personal protective equipment

Engineering controls include the following:

- Elimination of the hazard through design of the facility, equipment or process to remove the hazard or substitute the process, equipment, material to a less hazardous method;
- Enclose the hazard using enclosed cabs, enclosure of noisy equipment, etc.;
- Isolation of the hazard with interlocks, machine guards, blast shields, welding curtains, etc.; and
- Removal or redirection of the hazard (i.e. local and exhaust ventilation).

Administrative controls include the following:

- Written safe operating procedures, work permits, and safe work practices;
- Exposure time limitations (applicable to control temperature extremes and ergonomic hazards);
- Monitoring the use of highly hazardous materials;
- Alarms, signs, and warnings; and
- Scheduling and training.

Personal Protective Equipment such as respirators, hearing protection, protective clothing, safety glasses, and hard hats are acceptable as a control method in the following circumstances:

- When engineering controls are not feasible or do not totally eliminate the hazard;
- While engineering controls are being developed;
- When safe work practices do not provide sufficient additional protection; and
- During emergencies when engineering controls may not be feasible.



Table 1: Potential Hazards to Consider (for each step)

This table does not list all potential hazards but can be used as a guide in preparing the JSA.

Chemical Hazards	Energy/Fire	Physical Hazards
<input type="checkbox"/> Chemical exposure (inhalation, absorption injection by contact with needles/sharps) Is there a risk of contact with chemicals? Is there potential for generation of airborne chemical dusts (e.g. sweeping), fumes (e.g. welding), mists or vapours (e.g. use of fast evaporating solvents from grease removal)? <input type="checkbox"/> Compressed Gas <input type="checkbox"/> Asbestos and other insulation material <input type="checkbox"/> Designated Substances - Asbestos (e.g. pipe insulation, floor tiles) - Quartz/silica (e.g. fine sand dust from cutting, drilling or grinding concrete, ceramic or stone) - Lead (e.g. lead paint) - Mercury (e.g. thermometers) - Arsenic (e.g. certain wood preservatives) - Isocyanates (e.g. spray-on polyurethane products used to produce pesticides) - Benzene (solvent found in petroleum products) - Vinyl Chloride (precursor to polymers) - Acrylonitrile (used in industrial chemical processes) - Ethylene Oxide (used in industrial chemical processes) - Cook Oven Emissions (not on campus)	<input type="checkbox"/> Electrical hazards (shock/short circuit, fire, loss of power, high voltage) <input type="checkbox"/> Fire/explosion hazards: ignition sources, flammable atmosphere <input type="checkbox"/> Uncontrolled energy (lock-out/tag-out) <input type="checkbox"/> Utility lines (e.g. natural gas)	<input type="checkbox"/> Radiation hazards <input type="checkbox"/> Noise <input type="checkbox"/> Ergonomic hazards (e.g. awkward posture, repetition, materials handling (lifting, holding, carrying, lowering, pushing, pulling))
	Environment <input type="checkbox"/> Cold stress/working in cold environment <input type="checkbox"/> Heat stress/working in hot environment <input type="checkbox"/> Confined space/restricted space <input type="checkbox"/> Fall from/working at heights <input type="checkbox"/> Slip/trip hazards <input type="checkbox"/> Poor house keeping <input type="checkbox"/> Pedestrian traffic <input type="checkbox"/> Poor lighting/visibility <input type="checkbox"/> Poor ventilation <input type="checkbox"/> Sloped ground/uneven surfaces <input type="checkbox"/> Vehicle traffic <input type="checkbox"/> Excavation <input type="checkbox"/> Weather (snow/rain/wind/ice)	Physical Hazards <input type="checkbox"/> Radiation hazards <input type="checkbox"/> Noise <input type="checkbox"/> Ergonomic hazards (e.g. awkward posture, repetition, materials handling (lifting, holding, carrying, lowering, pushing, pulling)) <input type="checkbox"/> Vibration <input type="checkbox"/> Thermal burns
	Biological Hazards <input type="checkbox"/> Biohazardous materials <input type="checkbox"/> Insects, birds, and animals (including manure) <input type="checkbox"/> Mould	Equipment/Tools <input type="checkbox"/> Falling objects <input type="checkbox"/> High pressure systems <input type="checkbox"/> Pinch/wrap/shear points <input type="checkbox"/> Sharp objects <input type="checkbox"/> Struck by/struck against objects <input type="checkbox"/> Mechanical failure
		Other <input type="checkbox"/> Security risks <input type="checkbox"/> Work activities by others <input type="checkbox"/> Working alone