

Job Hazard Analysis

JHA Name: Electric Welding

Assessment Date: 07-23-13

Revision Date: 04-14-17

Building or Location: Faribault & North Mankato Campuses

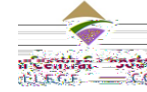
Department or Program: Welding, Ag Mech, Auto Mech, Auto Coll,

Description of Individual Tasks or Assignments:

	Hazard Type(s) Associated with Task or Assignment:	Check for Exposure:	
1	Impact		X
2	Penetration or Cut		X
3	Crush or Pinch <u>Example:</u> An object(s) or equipment/machine may crush or pinch a body or body part		X
4	Chemical or Harmful Dust <u>Example:</u> Exposure to chemicals (i.e., hazardous substances and harmful physical agents), infectious agents from spills, splashing, physical contact, and or exposure to dusts, vapors, fumes, or gases that could cause illness, irritation, burns, asphyxiation, breathing/vision difficulty, sensitization, infection, or other toxic health effects (i.e., acute or chronic). Note: "May also have or create ignition potential."		X
5	Heat <u>Example:</u> Exposure to radiant heat sources, sparks, and splashes or spills of hot material		X
6	Light (optical) Radiation <u>Example:</u> Exposure to strong light sources, glare, or intense light exposure which is a byproduct or a process. Note: "This category may also include hazards presented from lack of light (e.g., working in dark spaces/areas)."		X
7	Electrical Contact		X
		Potential exposure to electric current generated from welding process ExETBesem	
8	Ergonomic/ Human Factors <u>Example:</u> Working in cramped spaces, repetitive movements, awkward postures, vibration, heavy lifting, etc. Note: "This category may also include unique hazards presented from tasks that require demanding or challenging degrees of mental and/or physical effort to be exerted by an individual. See <u>Physical Effort Definition/Examples</u>		X
9	Environmental <u>Example:</u> Exposure to noisy environments, hot or cold work environments, poor weather conditions, working at a height, and any other conditions in the workplace that could cause danger, discomfort, and/or negative health effects.		X

Job Hazard Analysis

JHA Name: Electric Welding



Assessment Date: 07-23-13

Revision Date: 04-14-17

Building or Location: Faribault & North Mankato Campuses

Department or Program: Welding, Ag Mech, Auto Mech, Auto Coll,

Description of Individual Tasks or Assignments:

Electric Welding Applications: Manual Metal Arc Welding (MMA) i.e., Stick Welding; Gas Metal Arc Welding (GMAW) e.g., MIG or MAG; and Gas Tungsten Arc Welding (GTAW) i.e., TIG

Tools, Equipment, or Machinery Used when Performing Task:

Welders (e.g., Stick, MIG, TIG), Cylinders containing shielding gases (e.g., helium, argon, carbon dioxide, oxygen, nitrogen, and hydrogen), and Welding Wire, Flux and Rods

1.) Physical Mobility-

Name:
Date: