

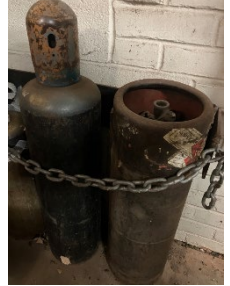




Task Hazard Assessment Form

Task Name	Brazing/Soldering
Department	HVAC
Supervisor	Kyle Brennan
Work Location	Central Steam Plant
Date of Assessment	10.10.2024

Hazard	Description
Physical Hazards (Check all that apply) <input type="checkbox"/> N/A <input type="checkbox"/> Electrical Hazards <input type="checkbox"/> Fall from Heights <input type="checkbox"/> Falling Objects <input type="checkbox"/> Flying Particles <input type="checkbox"/> Noise <input type="checkbox"/> Sharp/Abrasive Objects <input type="checkbox"/> Struck by Objects <input type="checkbox"/> Slippery Surfaces <input checked="" type="checkbox"/> Sparks/Hot Particles <input checked="" type="checkbox"/> Temperature Extremes <input type="checkbox"/> Vehicular Traffic <input type="checkbox"/> Other (Please Describe): _____	Describe any applicable hazards <p>➤ Soldering/brazing can create hot particles that may drip down while working</p> <p>➤ Soldering/brazing both involve high temperatures, increasing the likelihood of fires or burns</p>
Chemical Hazards (Check all that apply) <input type="checkbox"/> N/A <input type="checkbox"/> Air/Water-Sensitive Substances <input checked="" type="checkbox"/> Flammable Liquids/Vapors <input checked="" type="checkbox"/> Irritants <input checked="" type="checkbox"/> Compressed Gases <input type="checkbox"/> Corrosive Substances <input type="checkbox"/> Radioactive Substances <input checked="" type="checkbox"/> Toxic Substances <input type="checkbox"/> Other (Please Describe): _____	Describe any applicable hazards <p>➤ Soldering/brazing involve the use of flammable gases and liquified gases (MAPP, Propane, Acetylene, etc.)</p> <p>➤ Heating metals and associated materials can produce irritating fumes</p> <p>➤ Soldering/brazing requires the use of compressed gas cylinders</p> <p>➤ Materials used in soldering can contain toxic materials, such as Lead and Chromium</p>
Biological Hazards (Check all that apply) <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Air-borne Pathogens <input type="checkbox"/> Biological Sharps <input type="checkbox"/> Blood and Bodily Fluids <input type="checkbox"/> Mold <input type="checkbox"/> Sewage <input type="checkbox"/> Other (Please Describe): _____	Describe any applicable hazards

Controls Methods	Task-Specific Controls
<p>Engineering Controls - Physical methods that reduce or prevent workers from coming into contact with hazards</p> <p><u>Examples (Not Exhaustive)</u></p> <ul style="list-style-type: none"> ▪ Carts/Dollies ▪ Emergency Shut-Offs ▪ Guardrails ▪ Hoists ▪ Machine Guards ▪ Pumps 	<p>List any engineering controls that are required to complete this task</p> <ul style="list-style-type: none"> ➤ Ensure torches have a working flashback arrestor ➤ Use an appropriate clamp to hold unsecured pipes/fittings ➤ Secure compressed gas cylinders with a chain
  	
<p>Administrative Controls – Work practices that reduce the duration, frequency, or intensity of exposure to hazards</p> <p><u>Examples (Not Exhaustive)</u></p> <ul style="list-style-type: none"> ▪ Buddy System ▪ Communication ▪ Limiting Access ▪ Rest Breaks ▪ Training 	<p>List any administrative controls that are required to complete this task</p> <ul style="list-style-type: none"> ➤ Only use soldering/brazing equipment if you have been trained in safe operation by a competent employee ➤ Keep torches, tips, and associated equipment clean/clear, to avoid blockages ➤ Thoroughly inspect hoses and connections for leaks ➤ Properly clean joints and use a flux to avoid unnecessary off-gassing ➤ Do not solder/braze in close proximity to combustible or flammable materials
<p>Personal Protective Equipment (PPE) - Equipment worn to minimize exposure to hazards</p> <p><u>Examples (Not Exhaustive)</u></p> <ul style="list-style-type: none"> ▪ Chemical Aprons ▪ Cut-Resistant Gloves ▪ Dust Suits ▪ Face Shields ▪ Safety Glasses 	<p>List any personal protective equipment that is required to complete this task</p> <ul style="list-style-type: none"> ➤ Safety glasses ➤ Leather gloves ➤ Standard work clothing (long pants, work shoes)



Is a follow-up required?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Reason for follow-up		

Task Hazard Assessment Form Completed By

Name: _____ Mark Schuman _____

Signature:  _____

Department: _____ Environmental Health and Safety _____

Date: _10/10/24_