	Tailgate	/Toolbox Safety Training	\mathbf{x}
	Safety Services Company-Sa	afety Meeting Division, PO Box 6408 Yuma, AZ 85366-6408 Toll Free (866) 204-4786	- A
Compa	any Name:	Job Site Location:	•
Date:	Start Time:	Finish Time: Foreman/Supervisor:	
		onic 260: Gas Welding and Cutting)@
Introdu to heat weld (jo applied	action: Using a torch to cut or join me or melt the metal material to be bonded bint). This process requires that proper to the joint in order for the connection	etal material is commonly known as " <i>Hot Work</i> ". Torch welding uses high temperatures d and uses a similar, compatible material to melt into the joint as filler to make the r heat be applied to the base material and that suitable filler or rod material be to bond properly after cooling.	
The tern refriger "Sweat will sus wire bru solder (enough Regula "Gas T the liqu This pro-	<i>m</i> " <i>Brazing</i> " is generally applied to ga ant line-sets are generally brazed with a <i>ing</i> " is a term applied to a type of solda tain substantial fluctuating hydraulic p- ushes, acid flux is applied to both pipe un-leaded only for fresh-water supply- , the solder won't draw; if the joint is to <i>r</i> " <i>Soldering</i> " uses melted metal as a for <i>corch Cutting</i> " requires the metal (usual efied metal out with a blast of oxygen to access blows moltan metal caray in all d	as welding on non-ferrous (iron) metals. HVAC high-pressure copper copper alloy rod, although sometimes they are sweated (soldered). ering used by plumbers to join copper fresh-water supply-lines that pressures. Slip socket fittings are cleaned with emery cloth or stiff and fitting, the joint is connected, and heat is then applied. After correct temperature is achieved elines) is introduced to the joint, melts on contact, and is drawn into the joint (sweated). If the joi oo hot, the flux burns off, and the silver runs and drips off, won't draw, and the sweated joint will form of glue to join together low stress assemblies (such as sheet metal pans). ally ferrous alloys) to be heated to liquid with the cut being accomplished by blowing from a second-stage port, activated by fully depressing the cutting torch's handle.	I, the nt isn't ho I leak.
Most o	of the iniuries and illnesses associated	ated with "Gas Welding and Cutting" are due to the extreme temperatures involved.	
×	<i>The danger of explosion or fire</i> is eve or by other flammable or combustible	er-present due to the fuel gas and oxidizer being used; materials present in the work-zone.	
X	The hazard from smoke, vapors, and from the fuel gas torch being used, and Additional hazards relate to the fabric	<i>fumes</i> result from burning flux, the combustion by-products (carbon monoxide) d from paint or other anti-rust coatings burning off the metal being welded or cut.	12
Follow	these auidelines for safe "Gas W	auton and preparation processes such as grinning and meenancear cutting on the material being d	seu.
マ マ マ マ マ マ マ マ マ マ マ マ マ マ マ マ マ マ マ	Untrained or inexperienced persons s All possible Engineering Controls sho Personal Protective Equipment appro Eye and Face protection must have the steel-toed boots (if working with heavy Proper Fire Prevention control mease watchers. Many times during rough-in important to remember to douse these Compressed Gas Cylinders (CGCs) m or slag will not reach them; if impracti Make certain that cylinders containing Color-coded hoses must be used: REE Pressure-reducing regulators and ma CGC regulators, hoses, and torches, reg Sion: Many construction trades and ge n to all equipment and PPE being used	should never be allowed to do " <i>Hot Work</i> " without supervision. ould be implemented prior to beginning the job to ensure adequate ventilation and exhaust. opriate to the type of operations being conducted must be worn, such as: e correct filter lenses, proper gloves, welding apron (if needed), ry metal), and hearing protection when grinding and machine cutting . <i>ures</i> must be in place prior to starting " <i>Hot Work</i> " such as fire extinguishers, water buckets, and n processes, plumbers and HVAC mechanics apply direct flame to wooden frame members and i areas with water to avoid smoldering embers which could later flare-up and set the job on fire. <i>nust be kept far enough away</i> from hot operations so that sparks, flames, ical, fire resistant heat shields must be utilized. g oxygen, acetylene, or other fuel gases are not taken into confined spaces. <i>D</i> to identify fuel gas, <i>GREEN</i> to identify oxygen, and <i>BLACK</i> for inert gas (or air hose). <i>unifolds</i> must only be used for the gas and pressures for which they were designed. nust be carefully inspected and removed from service if integrity is suspect. gulators, pressure-reducing valves, acetylene generators, and manifolds) shall be used. eneral industry require " <i>Gas Welding and Cutting</i> " processes. Thoughtful care must in all areas of the " <i>Hot</i> " processes. These operations must be conducted in a safe	fire t is
manner	in order to avoid potential serious inju	iry or possibly setting the job-site or shop on fire.	
Specifi	o Work Site Hazards and Safaty S	work Sile Keview	
specifi	work-one mazarus and oarety of	uggesuons	
Empl	oyee Signatures:	(My signature attests and verifies my understanding of and agreement to comply with, all company safet and regulations, and that I have not suffered, experienced, or sustained any recent job-related injury or	ty policies illness.)