

U.S. Department of Labor
Mine Safety and Health Administration
Educational Field and Small Mine Services



Location _____ Date _____

Competent Person _____ Duration _____ Time _____

Cutting Torch Safety

- **SLAM Stop Look Analyze Manage** every project should begin with a plan that includes discussion on how this type of task had been completed before and any problems that may occur.
- **Lock-out, tag-out, test, and never** work on equipment unless you have locked out the power. Each person doing work must lock-out and tag. Each person must keep their key in their possession. Each person should remove their lock at the completion of the project. [56.12016;.12017](#)
- **Test** stored energy make sure any project you are working on will not move. Equipment with unbalanced drives may have a tendency to move. Blocking of moving parts is required when any possibility exist of non-powered movement. [56.14211](#)
- **Inspect all tools** for damage prior to starting project. This includes grinders, drills, extension cords, ect.. Make sure tools are adequate for the task such as chains, cables, come-along never use tools beyond their design capacity. [56.14100b;.14205](#)
- **Proper PPE** is required hard hats, safety glasses, boots, gloves, goggles, hearing protection, and flash ark curtains if others are in the area, **if there is a danger of falling fall protection is required.** [56.15002;.15003;.15004;.15005;.15007;.15014;.14213](#)
- **Survey** your working area, never use a cutting torch where sparks will be a hazard, such as near a room containing flammable or combustible materials, keep flammable containers in a cabinet away from the working area. [56.4100; .4104; .4200; .4201; .18002](#)
- If cutting is needed to be done near flammable or combustible materials and materials cannot be removed, suitable fire-resistant guards, partitions, or covers must be used. Keep a spotter nearby with a fire extinguisher in case of an emergency. [56.4600](#)
- Good housekeeping is essential to reduce any potential for fires and explosions by keeping work areas clean. [56.20003](#)
- Never cut into any barrels, drums, old drill steels until you have properly identified the products contained and cleaned of any left-over product. Never cut into a sealed barrel or drum as an explosion can occur from a build-up from gases. [56.4604](#)
- **Make sure the regulators are in good condition and the back flow check valve is working. Keep all oily tools and grease away from the regulators, that the cylinders are secure and up-right, with the valves covered when not in use or being transported.** [56.4602;.16005;.16006](#)

Fatalgrams: [56.4100; .4201; .4600; .4604; .12016; .12017; .14100; .14205; .14211; .15002; .15005; .15007; .18002; .20003](#) Attendees: