

Please Post



Safety Lessons Learned Accident Abstract

ESAMS ID #: 130757

SSM NAME and Phone #: Kevin Brennan, 619-569-8409

Location/Command: MCAS Miramar, B9215 (HGR 2)

Contractor or In House: Contractor

Accident Type: Fires - All Types

Injury: None; singed facial hair only.

Damage: Rented acetylene bottle returned to supplier

Equipment Involved: Acetylene Cylinder

Type of Work: Welding and Cutting

Lost Days Away: Zero

Limited Light Duty: Zero



DESCRIPTION OF THE ACCIDENT (Who,what,when,where):

- At 0700L, a KTR working near B9215 (HGR 2) in the utility corridor off the tool room (not a confined space) was using a grinder on steel pipe approximately 10 feet away from an acetylene cylinder. Leaking gas from the cylinder ignited.



DIRECT CAUSE(S):

- Spark from grinder ignited the acetylene gas.

INDIRECT CAUSE(S):

- Acetylene tank not fully sealed and in a location of low airflow.

ROOT CAUSE(S):

- Potential faulty cylinder stem.

LESSONS LEARNED: Store and use cylinders in open air environments, soap checks, use sniffers in tunnels, monitor for combustible gases/O₂, use of band saws, and addition of compressed gas safety procedures to AHA's.

Corrective Actions Taken (If applicable):

- KTR evacuated the tunnel. Fire department extinguished the 10-12" high flame on the acetylene bottle. Base HAZMAT capped it. KTR further tightened the nut on the acetylene cylinder.
- KTR did not allow employees in the tunnel until their own investigation by corporate safety was complete.

Interim Action taken

- The cylinder was removed from site and sent to the supplier for a report on the condition of the valve assembly. (KTR awaits for the report and will forward when available).

Final conclusion taken

- Work could continue with a heightened awareness as long as the following added precautions were followed:
- Continued cutting the pipe with band saws.
- Daily monitoring for combustible gasses and O₂.
- Store and use the compressed gas cylinders outside of the corridor, run longer hoses when necessary.
- Soap check bottles and valve assemblies regularly.
- Add compressed gasses safety procedures to KTR AHA's

YOUR SAFETY CONTACT REPRESENTATIVE IS:

RUSS VIRE
619.302.8665 (c)
william.vire@navy.mil