



## SAFETY AND HEALTH STANDARD HOT WORK PERMIT

Effective Date: 06/10/10

Standard: 16.1

Document Number: KUCSH0040

Rev: 04

- 16.1.3.5 Hot work on rubber lined vessels and pipes or directly overhead of conveyer belts require extraordinary caution to prevent ignition of the lining or belting material. Also, special precautions must be taken while performing hot work near fiberglass materials. Procedures for hot work on these types of structures must be evaluated by the Safety Department and appropriate management personnel prior to the start of work.
- 16.1.3.6 The employee requesting the Hot Work Permit will:
- o Inspect the hot work equipment to confirm that it is in good condition.
  - o Remove combustible materials (where practical) for a radius of 35 feet from the point of work.
  - o Cover any non-removable combustible materials with flameproof covers or ensure that they are wet and there is a source of water available.
  - o Have a fully charged and operable fire extinguisher of the appropriate type and size available at the work site.
  - o Communicate to all personnel involved the location of the nearest fire alarm or procedure for reporting a fire and the evacuation procedure.
- 16.1.3.7 The person issuing the Hot Work Permit will:
- o Inspect the site and confirm that the above items have been completed.
  - o Designate which (if any) additional precautions must be followed including:
    - Ventilation
    - Respiratory protection
    - Special personal protective equipment
  - o Sign and date the Hot Work Permit.
- 16.1.3.8 The employee(s) performing the hot work will keep the Hot Work Permit in their possession until the job has been completed. When the job has been completed the employee in charge will inspect the area to ensure that no fires have been started.
- 16.1.3.9 A fire watch will be designated when the hot work has been completed or anytime the employees temporarily leave the worksite i.e. during shift changes and breaks etc. The person responsible for a fire watch will:

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- o Inspect the area for 1/2 hour after the completion of the hot work to ensure no fires start from previously undetected sources.
- o Have a fire extinguisher ready and available
- o Have a water hose available (where appropriate as designated by the Hot Work Permit).
- o Know the location of the nearest fire alarm and / or be familiar with the procedures for reporting a fire or emergency and evacuation.

## 16.1.4 **RECORDKEEPING**

- 16.1.4.1 Upon completion of the job the Hot Work Permit will be forwarded to the facility records retention center and retained for a period of not less than six months.

## **REFERENCES:**

OSHA 29 CFR 1910.119, 251 and 252.

NFPA Standard 51.

KUC Safety and Health Standard 16.2 Confined Space Entry Requirements

## **REVISION HISTORY:**

MOC#	Description of Change	Prepared By	Date
12305	Review and update including defining fire watch requirements and updating permit. Updated format and Document number added.	KUC Safety and Health Standards Committee	06/10

## KENNECOTT UTAH COPPER HOT WORK PERMIT (Standard 16.1)

Permit will be posted at work site until burning or welding work is complete or a new permit is issued. This permit can only be issued for **one** shift. If the permit needs to be extended, the supervisor can extend the permit after reviewing the requirements. This permit must be reissued if a change in conditions or work scope has occurred. Expired permit must be returned to the facility recordkeeping center for filing.

<b>Area Supervisor:</b>		<b>Date &amp; Time Issued:</b>			AM PM
<b>Work Performed By:</b>		<b>Date &amp; Time of Expiration:</b>			AM PM
<b>Fire Watch By:</b>		<b>Work Area / Location:</b>			
<b>Work Description:</b>					
<b>Contractor Name:</b>		<b>Contractor Supervisor:</b>			

### REQUIREMENTS

TRACK completed for this task	<input type="checkbox"/>	Yes		
Reviewed KUC Hot Work Permit Standard #16.1	<input type="checkbox"/>	Yes		
Reviewed PPE Requirements	<input type="checkbox"/>	Yes		
Reviewed Emergency Reporting Procedure (Phone / Radio, Fire Alarm Location)	<input type="checkbox"/>	Yes		
Flagged area (Same Level and Below)	<input type="checkbox"/>	Yes	<input type="checkbox"/>	N/A
Drained equipment	<input type="checkbox"/>	Yes	<input type="checkbox"/>	N/A
Cleaned equipment of residue	<input type="checkbox"/>	Yes	<input type="checkbox"/>	N/A
Filled equipment with water or inert gas	<input type="checkbox"/>	Yes	<input type="checkbox"/>	N/A
Shutdown ducts or conveyors that may convey sparks to distant combustibles	<input type="checkbox"/>	Yes	<input type="checkbox"/>	N/A
Ventilation adequate	<input type="checkbox"/>	Yes	<input type="checkbox"/>	N/A
Monitored LEL (Lower Explosive Limit) (<10%)		%	<input type="checkbox"/>	N/A
Issued Confined Space Permit (KUC Safety & Health Standard #16.2)	<input type="checkbox"/>	Yes	<input type="checkbox"/>	N/A
Flammables, Combustibles, or Hazardous Material Protected / Removed by 35 Feet	<input type="checkbox"/>	Yes	<input type="checkbox"/>	N/A
Verified hot work cannot conduct heat by radiation or conduction to unobserved combustibles	<input type="checkbox"/>	Yes	<input type="checkbox"/>	N/A
Verified there are no openings, cracks, or holes where sparks may drop to combustible materials	<input type="checkbox"/>	Yes	<input type="checkbox"/>	N/A
Reviewed precautions if welding on floors, walls, partitions, ceilings or roofs of combustible construction.	<input type="checkbox"/>	Yes	<input type="checkbox"/>	N/A
Provided shielding around work	<input type="checkbox"/>	Yes	<input type="checkbox"/>	N/A
Fire Watch in place and understands requirements (KUC Safety & Health Standard #16.1)	<input type="checkbox"/>	Yes	<input type="checkbox"/>	N/A
Fire Extinguisher available	<input type="checkbox"/>	Yes	<input type="checkbox"/>	N/A
Water Hose available	<input type="checkbox"/>	Yes	<input type="checkbox"/>	N/A

### SPECIAL PRECAUTIONS or REQUIRED EQUIPMENT

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<b>APPROVAL</b>	<b>Supervisor's Signature</b>
<i>Supervisor or Designated Person Acceptance Signature:</i>	

Extension Period	Reason for Extension	Supervisor's Signature

