

# SAFETY AND HEALTH STANDARDS

## RESTRICTED ACCESS / BARRICADING

MOC Effective Date: 2/17/14

Standard: 16.3

Document Number: KUCSH00022

Rev: 06

### 16.3.1 **INTRODUCTION:**

16.3.1.1 Restricted access areas are locations where potential or actual safety hazards exist and no employee may enter without authorization. This includes demolition areas, abandoned buildings, or areas that have been identified as being potentially unsafe.

16.3.1.2 A barricade is anything acting to obstruct passage such as barrier tape, cones, railing, temporary cover, or other barrier intended to limit access to a potentially hazardous area.

### 16.3.2 **REQUIREMENTS:**

16.3.2.1 Plant areas where health or safety hazards exist shall be barricaded and posted with a Barricade Tag at all approaches (See Exhibit 16.3.1). Barricade Tags shall be readily visible, legible, and display the nature of the hazard and any protective action required. Access to barricaded areas is limited to authorized personnel who understand the potential hazards (Yellow barricade) and, when a red "Danger" barricade is placed, receive authorization to enter.

16.3.2.2 Areas within a plant or facility requiring restricted access to authorized employees only because of a specific task include, but are not limited to the following:

- When explosive materials or initiating systems are brought to the blast site, the blast site shall be attended; barricaded and posted with warning signs, such as "Danger," "Explosives," or "Keep Out;" or flagged against unauthorized entry.
- When covers are removed from enclosed spaces, the opening shall be promptly guarded by a railing, temporary cover, or other barrier intended to prevent an accidental fall through the opening and to protect employees working in the space from objects entering the space. (See KUCC Safety and Health Standard 16.2)
- Areas beneath floor openings shall be barricaded. When this is not practical, they shall be plainly marked.
- Barricades shall be used in conjunction with safety signs where it is necessary to prevent or limit employee access to work areas exposing employees to un-insulated energized conductors or circuit parts. Conductive barricades may not be used where they might cause an electrical contact hazard.
- Before work is started in the vicinity of vehicular or pedestrian traffic which may endanger employees, warning signs and / or flags or other traffic control devices shall be placed conspicuously

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to alert and channel approaching traffic. Where further protection is needed, barriers shall be utilized. At night, warning lights shall be prominently displayed, and excavated areas shall be enclosed with protective barricades.

- Before any "Hot Work" is performed, the area (same level and below) must be barricaded or flagged. (See KUCC Safety and Health Standard 16.1)
- The area in which scaffolds are being erected, used, or dismantled shall be barricaded for a sufficient distance to prevent passers-by from being struck by falling materials and to prevent unauthorized entry into the area. Where travel is permitted under a scaffold, screens shall be required between the toe-board and mid-rail. (See KUCC Safety and Health Standard 16.7)
- Where overhead work is being conducted, barricades must be erected around the work area to protect others from falling objects.
- A warning system for persons and mobile equipment must be in place surrounding all excavations. The warning system shall consist of barricades, hand or mechanical signals, or stop logs and flashing lights at night. (See KUCC Safety and Health Standard 16.17)

16.3.2.3 All barricading should be erected at a sufficient distance away from the hazard to prevent physical contact being made between personnel or equipment and the hazard. Where the erection of temporary barricading establishes a restricted access zone (Red barricade); access to this area should be controlled with authorization from the Supervisor or his / her nominated person prior to entry.

### 16.3.3 **RESPONSIBILITY:**

16.3.3.1 The Supervisor of the work being conducted is accountable for ensuring that a risk assessment is conducted before the commencement of work and selecting the appropriate controls in relation to temporary barricading where the work will result in a hazard that may affect others.

16.3.3.2 Employees performing work in a barricaded area are responsible for ensuring the barricading is identified with the correct tag to inform people of the nature of the hazard and for removing the temporary barricading when the hazard no longer exists.

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**MOC Effective Date:** 2/17/14**Standard:** 16.3**Document Number:** KUCSH00022**Rev:** 06**REFERENCES:**

KUCC Safety and Health Standard 16.1 Hot Work Permit

KUCC Safety and Health Standard 16.2 Confined Space Entry Requirements,

KUCC Safety and Health Standard 16.7 Scaffolding

KUCC Safety and Health Standard 16.17 Trenching and Excavation

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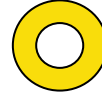
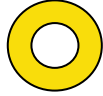
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Exhibit 16.3.1



(Back)

(Front)

BARRICADE TAG	BARRICADE TAG
<p><b>Date Barricade Established:</b></p> <p><b>Expected Date For Removal:</b></p> <p><b>Barricade Type:</b>  <input type="checkbox"/> <b>DANGER</b>      <input type="checkbox"/> <b>CAUTION</b></p> <p><b>Responsible Department/Company:</b></p> <p><b>Responsible Individual Days:</b></p> <p><b>Phone #</b></p> <p><b>Responsible Individual (Nights):</b></p> <p><b>Phone #</b></p> <p><b>Reason For Barricade:</b></p> <p><b>Potential Health &amp; Safety Hazards:</b></p> <p><b>Additional PPE Required:</b></p>	<p>KENNECOTT</p>  <p><b>Access to barricaded areas is limited to authorized personnel who understand the potential hazards and know how to avoid them.</b></p> <p>SEE OTHER SIDE FOR FURTHER EXPLANATION</p>
<p><b>DANGER DANGER DANGER</b>                      Danger Barricade : No Unauthorized Entrance</p>	<p><b>DANGER DANGER DANGER</b>                      Danger Barricade : No Unauthorized Entrance</p>
<p><b>CAUTION CAUTION CAUTION</b>                      Caution Barricade : Cautious Entry After Reviewing Listed Hazards</p>	<p><b>CAUTION CAUTION CAUTION</b>                      Caution Barricade : Cautious Entry After Reviewing Listed Hazards</p>
SAP #20057513	Barricade Standard = 16.3

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**REVISION HISTORY:**

MOC#	Description of Change	Prepared By	Date
9022	Added barricade tag and requirements. Updated format and Document number added.	KUCC Safety and Health Standards Committee	11/01/2008
24827	Add fields to the barricade tag in this standard to capture: a) The Responsible Individual for night shift and b) Responsible Department/Company	KUCC Safety and Health Standards Committee	11/4/2013