

SAFETY SIGNS, COLOR CODES, AND BARRIERS

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Subcontractors	Program Requirements Document	For Additional Info: http://EDMS	Effective Date: 09/19/22
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Manual: Subcontractor Requirements

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*The current revision can be verified on EDMS.

Alternate ID: SRM-ISIH-2.23**1. PURPOSE**

This document provides requirements for using safety signs, color codes, and barriers to warn employees of hazards that exist in their work area. This document implements requirements from codes and standards along with *contractor* (see def.) requirements. Any applicable regulatory or contractor requirements must be followed, with the most stringent requirement being met.

2. APPLICABILITY

This document applies to all subcontractors working at the Idaho cleanup Project (ICP) as specified in their contract with contractor. Stricter requirements may be imposed by subcontractors upon their employees or sub-tier contractors. The requirements of this document must be followed by subcontractors; however, the means of implementation may vary as determined by the subcontractor.

3. REQUIREMENTS**3.1 Use of Signs, Tags, and Barriers**

- 3.1.1 Use of signs, tags and barriers shall be in accordance with 29 CFR 1926.200 and 29 CFR 1910.145.
- 3.1.2 Signs, tags or barriers required by standards or contractor requirements documents shall be in place before starting work.
- 3.1.3 Standard approved safety signs, tags, colors, and barriers shall be used to identify workplace hazards and provide safety instructions.
- 3.1.4 The standard, approved color codes identified in Appendix A shall be used at the ICP.
- 3.1.5 Signs, tags, and barriers design needs to be capable of withstanding the environment to which it is exposed.
- 3.1.6 Employees and visitors to work areas shall be required to observe and follow all posted signs and barriers.

3.2 General Barricades

- 3.2.1 Stands or posts for general barricading shall be no more than 25 feet apart.
- 3.2.2 Stands or posts that are subject to wind shall be weighted so that they remain erect.

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- 3.2.3 Signs appropriate for the hazard to be identified shall be liberally placed around the area.
- 3.2.4 Barricades shall be used as necessary for vehicle control in construction and maintenance areas.
- 3.2.5 Barricading, signs, and flaggers for use in traffic control on roadways shall comply with 29 CFR 1926 200(g), 201(a) and 202.

3.3 Construction Area Demarcation

- 3.3.1 The minimum space required to perform construction activities shall be designated.
- 3.3.2 If sidewalks or other access ways can safely be maintained through the construction area, an effort shall be made to do so. If sidewalks are maintained through a construction area, barriers shall be established on both sides of the sidewalk.
- 3.3.3 Black and yellow ribbon, chain or tape; or orange safety fence, or railing shall be used to create a controlled area around all construction areas.

NOTE: *PRD-2005, "Walking and Working Surfaces" contains the requirements for railing used for fall protection on walking and working surfaces.*

- 3.3.4 Entry/exit locations shall be established for every controlled construction area.

NOTE: *An entry/exit location is provided to assist in controlling access into a work-activity barrier where only authorized entrants/workers are allowed entry. This access point also reduces the need for entrants/workers to "duck" under or "step" over barriers. Examples of an access point include a swing gate, an open section in a barrier (about 3 feet wide), or a section of barrier rope that can be "opened" between two stands (about 3 feet wide). These access points need the appropriate signs.*

- 3.3.5 Signs appropriate to the construction hazards shall be liberally used around the construction area. The maximum distance allowed from sign to sign is 50 feet. Signs must be posted on each approachable side of the construction area.
- 3.3.6 Perimeter signs shall indicate, as a minimum:
 - A. CAUTION (header) Construction Area. Authorized Personnel Only.
 - B. Instruct visitors and unauthorized personnel to obtain access approval by listing the name or title of designated person with the telephone number.

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3.3.7 Signs shall be posted at each entry/exit location. these signs shall indicate, at a minimum:

- A. CAUTION (header) Construction Area. Authorized Personnel Only.
- B. Instruct visitors and unauthorized personnel to obtain access approval by listing the name or title of designated person, with telephone number.
- C. General/minimum personal protective equipment required for entry into the construction area.

3.4 Access Control

3.4.1 Access requirements shall be maintained for controlled areas.

3.4.1.1 Before crossing a barrier or entering into a controlled access zone, personnel shall comply with access requirements such as training, personal protective equipment (PPE), and permission for entry.

3.4.1.2 Any unauthorized person who is discovered in a controlled access zone shall be escorted to a safe area, and the work supervisor shall be immediately informed.

NOTE: *Other actions, such as performing an exposure assessment, may also need to be taken when an unauthorized person is found in an access control area.*

3.5 Safety Tags

3.5.1 A safety (accident prevention) tag shall be used to identify a temporary hazard. It shall be used only until such time as the identified hazard is eliminated or the hazardous operation is completed. A tag shall not be used in place of a permanent sign or label intended for hazards in normal use, operation, or maintenance.

3.5.2 Tags shall contain a signal word and a message.

- A. The signal word shall be either “Danger,” “Caution,” or “Warning.”
- B. The message shall indicate the specific hazardous condition or the instruction to be communicated to the employee

3.5.3 Tags shall be affixed as close as safely possible to their respective hazards and be readily visible to the intended user.

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3.5.4 Danger tags shall be used in major hazard situations where an immediate hazard presents a threat of death or serious injury to employees

3.5.5 Caution tags shall not be used for personnel protection and shall be used in those situations in which a component or system is functional, but when some precaution or item(s) of information is necessary prior to operation.

3.5.6 Warning tags shall be used to represent a hazard level that would not present a major hazard situation where an immediate hazard presents a threat of injury to employees.

3.6 Maintenance of Signs, Tags and Barriers

3.6.1 Missing, damaged, or deficient signs, tags or barriers shall be replaced promptly.

4. DEFINITIONS

See LST-27

5. REFERENCES**5.1 Source Documents**

29 CFR 1910.145, “Specifications of Accident Prevention Signs and Tags”

29 CFR 1926.200, “Accident prevention signs and tags”

29 CFR 1926, “201, “Signaling”

29 CFR 1926.202, “Barricades”

5.2 Related Requirements

The following documents may also contain requirements that apply to this activity:

PRD-2005, “Walking and Working Surfaces”

6. APPENDIXES

Appendix A, Color Codes and Definitions for Standard Safety Signs and Barriers

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Appendix A

Color Codes and Definitions for Standard Safety Signs and Barriers

Description	Definition
Red	<u>Danger</u> also fire protection equipment
Orange	<u>Warning</u> also construction fence
Magenta and yellow	Radiological hazard
Yellow	Caution
Green	<u>safety equipment</u> also emergency egress
Blue	safety information
Black/Yellow	<u>safety rope</u> also construction areas
Any rope, chain, or tape*	barrier to unauthorized entry
* color must meet the use and designation	