

Safety Color Coding for Marking Physical Hazards and Piping

MSC-PRAC-30492

Revision 0

Effective Date: January 15, 2010

Topic: Safety and Health

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PURPOSE	This practice identifies a key aspect of the Safety and Health (S&H) program and establishes the requirements for safety color coding, and marking physical hazards and piping.
SCOPE	<p>This practice includes general requirements.</p> <p>The requirements of this practice are consistent with the requirements published in the Hanford Mission Support Contract (MSC) Safety and Health virtual manual.</p>
APPLICATION	This practice applies to Mission Support Alliance (MSA) construction personnel.
GENERAL REQUIREMENTS	<p>Records generated during the performance of this activity are to be included in the Construction Work Package and will be managed in accordance with MSC-PRAC-30374, <i>Construction Work Package</i> and MSC-PRAC-30376, <i>Construction Document Control</i>.</p> <p>Use safety color coding to identify hazards, the location of safety equipment, protective equipment, signs, and markers.</p> <p>Do not use safety color coding as a substitute for engineering or administrative controls, including training, to eliminate identifiable hazards.</p> <p>Ensure safety signs, objects, and locations are adequately illuminated to allow positive identification of the color and hazard or situation. Ensure the illumination provided does not distort the color and, therefore, the meaning of the message.</p>

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Use the following colors and color combinations for safety color code marking:

Red – Designates fire protection and extinguishing equipment, “DANGER” signs/tags, and “STOP” buttons or emergency controls. (If automatic sprinkler piping is painted to match the ceiling or walls, attach Red/White labels to identify the piping as automatic sprinkler.)

Orange – Designates parts of equipment that may cut, crush, or otherwise injure. Street and highway construction and maintenance signs have a black legend on an orange background.

Yellow or Yellow-Black Combinations – Designates caution for hazards such as striking against, tripping, falling, or bumping, and “CAUTION” tags.

Green – Designates “SAFETY” and the location of safety equipment other than fire protection equipment.

Blue – Designates informational signs and bulletin boards and has specific applications in the railroad area to designate warnings for track repair, and the movement of equipment under repair.

Black/White/Yellow – Designates traffic or housekeeping markings.

FORMS

None

RECORDS IDENTIFICATION

Records Capture Table

Name of Document	Submittal Responsibility	Retention Responsibility
Construction Work Package	Construction Supervisor/Superintendent	Project Document Control

REFERENCES

[MSC-PRAC-30374](#), *Construction Work Package*
[MSC-PRAC-30376](#), *Construction Document Control*