
 Marathon Petroleum Company LP		REFINERY-WIDE		R-11-024
ANACORTES REFINERY		Safety Signs, Ground Level Warnings and Barricades		Page 1 of 14
RESPONSIBLE DEPT.	CONTENT CUSTODIAN	APPROVED BY	LEGACY NUMBER:	
HES&S	Jeff Wood	Shannon Logan	SR-48	
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1.0 INTRODUCTION

1.1 Purpose

The purpose of this procedure is to provide a uniform means of informing all personnel within the plant of potential safety hazards. This can be accomplished by having Safety Signs posted at appropriate locations, including ground level markings and barricades.

2.0 REFERENCES

2.1 Government Regulations

- OSHA 29 CFR 1926.200, Accident Prevention Signs and Tags
- OSHA 29 CFR 1926.202, Barricades
- OSHA 29 CFR 1926.203, Applicable Definitions

3.0 TYPES OF SIGNS

There are several basic safety signs used within this plant. They are: Danger signs, Caution signs, Radiation's warning signs, Safety instruction signs, Directional signs, and In-plant traffic signs. Many of these signs are Store stock items. If a different sign is required, consult with the Health & Safety Department prior to ordering. This will assure uniformity of signs and compliance with regulations. The following subsections will describe these signs and state when they are to be used.

3.1 Danger Signs

Danger signs should be used only where an immediate hazard exists. There shall be no variation in the type of design for signs posted to warn specific precautions are necessary. The colors red, black, and white shall be those used. Attachment "A" shows an example of an approved Danger sign. All personnel shall be instructed that danger signs indicate immediate danger and that special precautions are necessary.

3.2 Caution Signs

Caution signs shall be used only to warn against potential hazards or to caution against unsafe practices. The colors yellow and black shall be those used. Attachment "A" shows an example of an approved Caution sign. All personnel shall be instructed that caution signs indicate a possible hazard against which proper precautions are necessary.

3.3 Radiation Warning Signs

Radiation warning signs shall be used whenever a radiation source is being used and they shall warn against the immediate hazard. The colors yellow and magenta shall be those used. Attachment "A" shows an example of an approved Radiation warning sign. All personnel shall be instructed that radiation warning signs indicate an immediate radiation hazard exists. They shall be posted before any x-ray activity is conducted and at the site of any radiation source.

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3.4 Safety Instruction Signs

These signs are used to instruct personnel on safe practices or information (Ex: walk-do not run, safety shower). The colors used are green and white. All personnel shall be instructed on the purpose of these signs.

3.5 Directional Signs

These signs provide a means of informing personnel of various items such as an exit or fire extinguisher location. The colors used are black and white. All personnel must be familiar with these signs and understand their importance.

3.6 In-Plant Traffic Signs

These signs provide a means of informing personnel of the normal automotive traffic hazards. The colors of these signs shall be the standard used within the State.

3.7 Ground Level Markings

Ground level markings provide an additional method of informing personnel of potential hazards much like a Caution Sign. The standard color is yellow. Whenever a Solid Yellow 4" strip is found within an operating unit it indicates that a specific precaution must be followed. This precaution shall also be painted in yellow (i.e., goggles required) or Caution signs must be posted.

A variation on this theme is ground level markings denoting a tripping hazard. The colors used for these are yellow and black in alternating stripes. There will be no sign used in conjunction with a ground level marking indicating a tripping hazard.

3.8 Sewers Underneath Gratings

Identification of sewer openings underneath gratings is accomplished using blue print identification and stenciling of the sewers location at the grating. The stencil reads "sewer under grating," and has an arrow pointing to the drain.

4.0 BARRICADES

Within the plant there are various types of barricade tapes. Regardless of the type, they indicate no entry beyond that point by unauthorized personnel. The barricade tape needs to be tagged specifying the date, reason for the barricade, the name of the person who put it up, along with the name of their company. The barricade shall be picked up as soon as its purpose is completed. The following elaborates on the varying types.

4.1 Asbestos Barricades

All asbestos regulated areas must be properly barricaded, and/or fully enclosed with warning signs stating asbestos regulated area. For additional information on asbestos removal refer to R-14-009.

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4.2 Automotive Barricades

This barricade tape is located in orange mailboxes strategically located throughout the plant. This barricade states "danger do not enter" and has a red background with black letters. It is used to block roadways in the event of a problem (Ex: gas release, spill).

This is not to be confused with the signs restricting automotive access to operating units and tank farms within the plant. It serves the same purpose but in a different manner.

4.3 Radiation Barricades

Procedure R-14-012 lists the barricade tape requirements.

4.4 Danger Tape (Red or Red and Black)

Red Danger tape is used to prohibit entry through any area by ALL personnel. Only personnel who are directly on the work crew, and who have knowledge of the hazards can enter these areas. To ensure the safety of everyone, all personnel not directly involved and signed in on the Permit must get permission from the work crew prior to entering this barricade.

Some examples of tasks requiring the use of danger tape:

- Fresh air work
- Swing radius of crane
- Areas where access must be restricted due to environmental/emergency concerns (Ex: leaks; releases; potential for IDLH Atmospheres).

4.5 Warning Tape (Yellow with Black Stripes)

This tape is used to restrict access and call attention to a hazard or a potential hazard. All personnel can identify the hazard, access the hazard, and can enter the barricaded area as long as they fully understand the hazards.

Some examples of tasks requiring the use of warning tape:

- Personnel working overhead – potential for drop hazard.
- Excavations

Hazard Identification: Slip/Trip; Head Knocker; Sharp Object; Dust Hazard; etc.

4.6 Lift Tape (Red and White Striped)

This tape is used to restrict access to the area of the swing radius, and travel path of a crane lift. To ensure the Safety of everyone all employees not directly involved and signed in on the permit must get permission from the work crew prior to entering this barricade.

5.0 TRAINING

Training on this procedure is required upon initial hire at the Marathon Anacortes Refinery.

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6.0 REVIEW AND REVISION HISTORY

Revision #	Preparer	Date	Description
0	Mark Willand	12/5/2021	Reformatted and Numbered per Document Control Policy, R-63-001.
1	Jeff Wood	8/19/2024	Added new Pictures of Tags and Barricade tape. Line by line review.

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7.0 ATTACHMENT 1 – SIGNS AND TAGS



WHITE TEXT
RED BOX
WHITE SIGN

DANGER SIGN



YELLOW TEXT
BLACK BOX
YELLOW SIGN

CAUTION SIGN



MAGENTA TEXT
MAGENTA SYMBOL
BLACK LOCATION
YELLOW SIGN

RADIATION WARNING SIGN



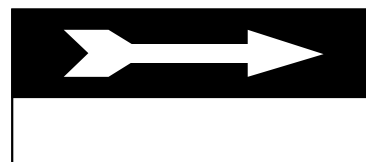
WHITE TEXT
GREEN BOX
WHITE SIGN

SAFETY INSTRUCTION SIGN



WHITE TEXT
GREEN BOX
WHITE SIGN

SAFETY INSTRUCTION SIGN

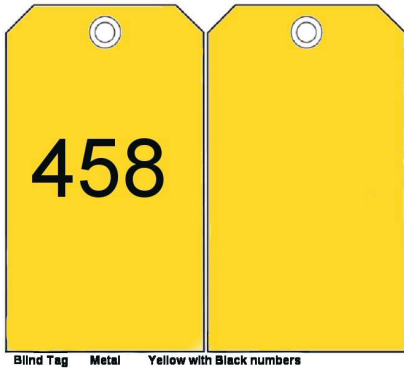


WHITE ARROW
BLACK BOX
WHITE SIGN

DIRECTIONAL SIGN

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Blind Tag Metal Yellow with Black numbers

Blind tags used for showing location of blinds. Installed, removed and tracked by Operations



SAP 2434482 6" x 3 1/2" vnylplastic RED ON WHITE

Class 1 Isolation Blind Tag.
Denotes that all bolts shall be installed at the blind location



SAP 2434454 6" x 3 1/2" vnylplastic WHITE ON GREEN

Equipment or material to be saved for reuse



SAP 2434456 7" x 4" vnylplastic WHITE ON RED

Tags showing condition of equipment. Information for craftsperson's safety



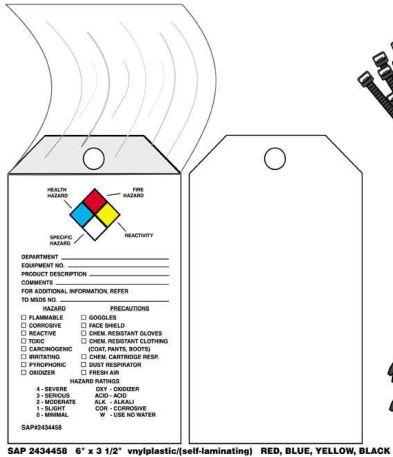
SAP 2434457 6" x 3 1/2" vnylplastic WHITE ON RED wiperforation

Tags used for denoting asbestos containing insulation



SAP 2434465 6" x 3 1/2" vnylplastic BLACK ON RED

Used to tag unsafe equipment



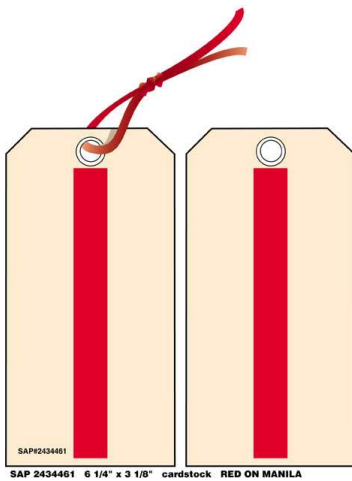
Brady label giving info on equipment origin, hazards and precautions



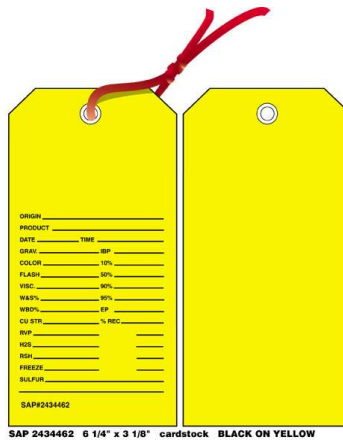
Tag used for identifying equipment for maintenance during a turnaround



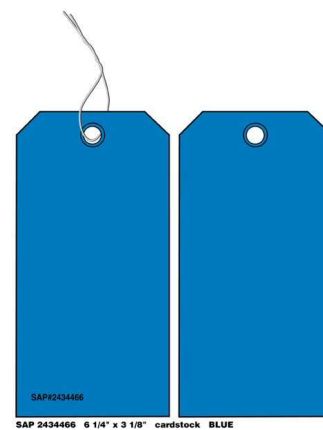
Routine sample



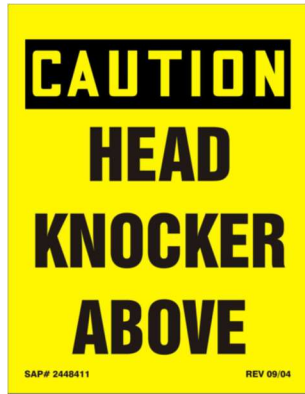
Red striped sample tag indicates chemical sample that is corrosive



Shipping Sample Tag



Used to indicate empty gas cylinder



Used to draw attention to an obstruction near scaffolding that may injure head or neck when climbing.



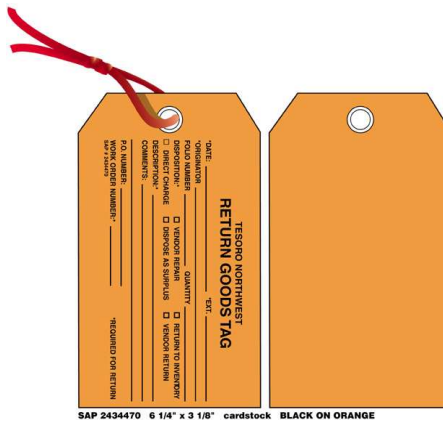
Scaffold OK to use



Scaffold NOT OK to use



Scaffold OK to use if certain precautions are taken as noted on tag

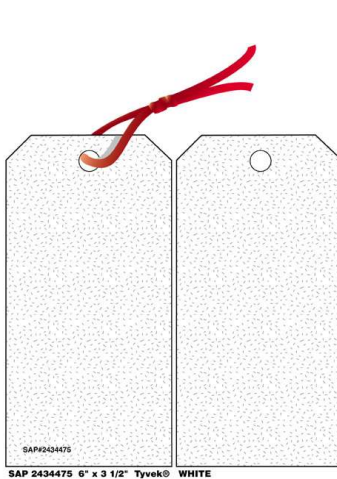


Tag shows why an item is returned

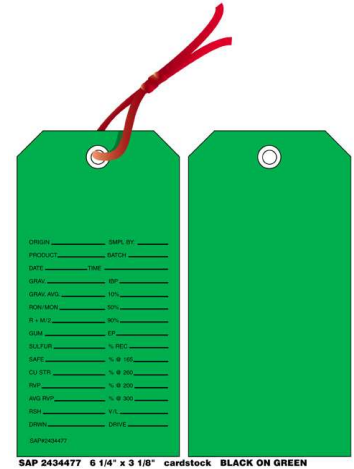
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Tag shows why barrier tape is up



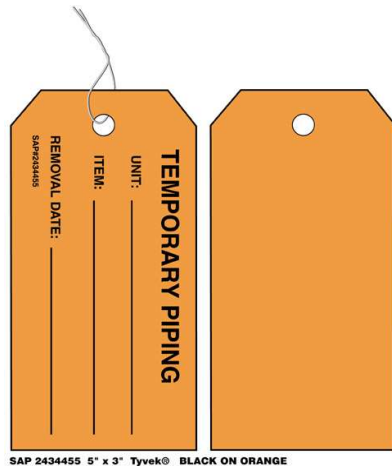
White tag placed on equipment needing repair, includes notification number



Green tag for certified gasoline sample



Shows information on breathing air bottle usage. Information used by Safety Equipment Room



Tag indicates installation of temporary piping and removal date per R-50-002



Special tag indicating not to close a valve



Special tag indicating not to open a valve



Tag used by Maintenance to show isolation



Tag used by I&E to show isolation



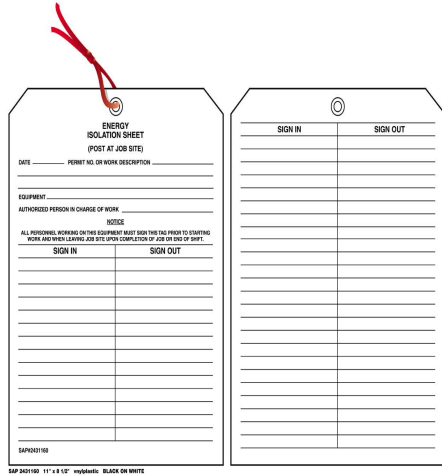
Tag used only by I&E indicating electrical grounds installed



Tag used by Machinist to show isolation



LOTO Rover's tag to verify isolation points



SAP201100 11" x 17" vnylplastic BLACK ON WHITE

All persons working on a job must sign in and out. Sign in/out may be done on the back of the safety permit or a separate energy isolation sheet.



SAP 2439258 6" x 3 1/2" vnylplastic RED, BLACK ON WHITE

Tag used by Operations to show isolation

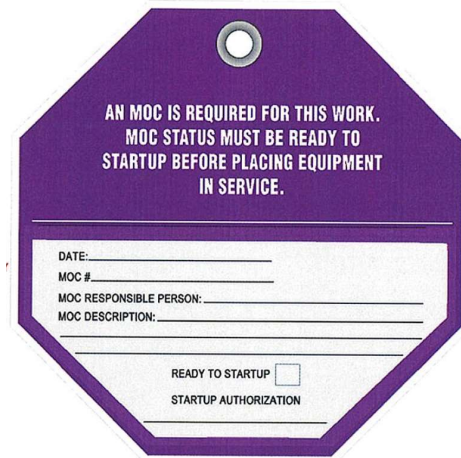


SAP # 2448773 REV. 12/04



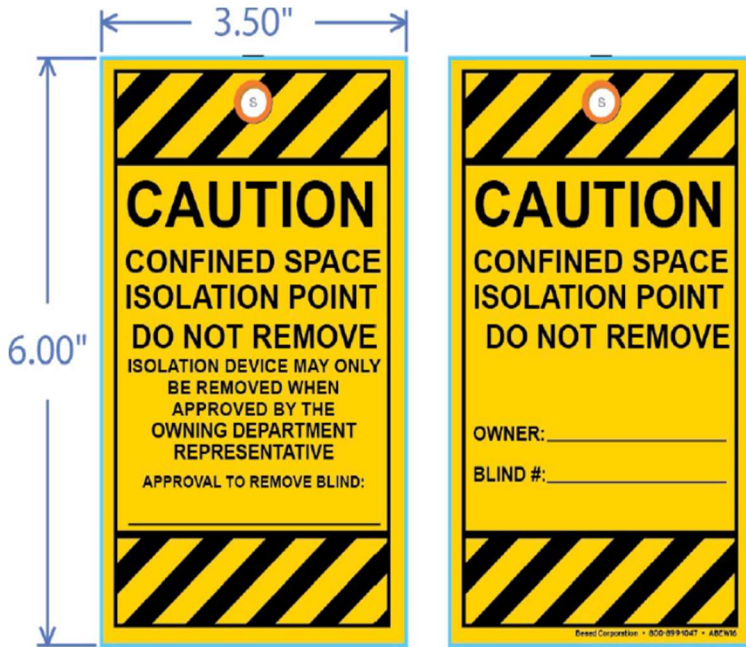
INSTRUCTIONS:
AFTER LOCKOUT DEVICE HAS BEEN INSTALLED AND TRIED, TEAR OFF THIS STUB AND LOCK INSIDE THE LOCK BOX. LOCKOUT DEVICE MAY BE REMOVED ONLY WHEN AUTHORIZED PERSON PROVIDES THIS STUB.

Operations Energy Control Tag
Tear off stub to be locked in lock box. Prevents unauthorized removal of lock out device.



READY TO STARTUP
STARTUP AUTHORIZATION

MOC Tag
(Refer to R-11-032 for Tag Instructions)



Confined Space Entry Tags (Installed on all #2 Blinds Used for CSE, metallic blind tags must also be used.



Return to Service Tag

Verification Tags (Bleeder tag, two options).

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Yellow = Caution



Red = IDLH or Fresh Air



Automotive Barricade Tape



Crane Lift Tape