

1. PURPOSE

1.1. This Guideline discusses barricade tape selection, limitations, hazards and precautions.

2. SCOPE

2.1. This guideline applies to all employees Marathon and Contractors working or visiting Michigan Refining Division (MRD)

3. GUIDELINE**3.1. Barricades and Railings**

3.1.1. All barricades must be properly tagged on all exposed sides to identify:

- 3.1.1.1. The hazard being addressed
- 3.1.1.2. The date of installation
- 3.1.1.3. Person/ company who installed it.
- 3.1.1.4. Marathon Contact's Name
- 3.1.1.5. Contact method (Radio Channel or Phone)

3.1.2. **Temporary Barricades (Less than 1week,)** including warning tape and flags, must be erected to restrict mobile and personnel traffic into areas that could present a potential hazard. *(Barricades up for more than a week but less than one (1) month during TAR must have approval to use non-rigid materials.)*

3.1.3. **Long Term Barricades (1week to 6 months)** must be erected of rigid materials (wood, angle iron, piping, scaffolding, etc...) and have signs identifying the hazards. Openings in walkways and platforms that could be stepped through shall be able to support anticipated loads, with minimum half-inch plywood for small openings and heavier materials for larger openings. *(Must be able to support 2x the weight of intend loads or traffic.)*

3.1.4. Long Term Barricades around excavation 6 feet or deeper must be a minimum 2 feet from the leading edge of excavation and comply with SAF-066 sec. 3.1.6.1 and 3.1.8.

3.1.5. Barricades must not have any open sides.

3.2. Barricade Tape

3.2.1. **Yellow barricade tape signifies "CAUTION"** *(Potential Hazard or to warn against an unsafe practice.)*

3.2.1.1. You may proceed through the yellow barricade after reading the tag and identifying the hazard.

3.2.1.2. Yellow "Caution - Do Not Enter" tape **shall not be used and should be destroyed.**

3.2.2. **Red barricade tape signifies "DANGER"** *(Immediate Hazard)*

3.2.2.1. No one is allowed to cross a red barricade except the personnel working that job or with permission from personnel working that job.

3.2.3. **Green barricade tape signifies "NITROGEN"**

3.2.3.1. No one is allowed to cross a Green barricade except the personnel working that job or with permission from personnel working that job.

3.2.4. **Yellow/Magenta barricade tape signifies “Radiation Area”**

3.2.4.1. These barricades shall be accompanied with posted radiation signs.

3.2.4.2. Yellow and Magenta Rope may also be used with radiation signs.

3.2.4.3. Trained Authorized personal are the only ones allowed entry into the barricaded area. (Radiographers, Radiation Safety Officer. Etc...)

3.2.4.4. X-rays will normally be done at shift changes to minimize exposure to personnel. ***Due to the severity of radiation burns, any one willfully crossing an X-ray barricade will be subject to disciplinary action up to and including removal from the refinery.***

3.2.5. **Orange barricade tape signifies “LEAD”**

3.2.5.1. Areas must be controlled areas with signage stating:
“WARNING LEAD WORK AREA - POISON - NO SMOKING OR EATING”

3.2.6. **Fluorescent Orange or Orange/Red tape signifies “BIOLOGICAL HAZARD”**

3.2.6.1. No one is allowed to cross without Proper Personal Protection Equipment.

3.2.7. **White barricade tape signifies “ASBESTOS and/or BENZENE”**

3.2.7.1. Must include signal word “danger” in white within a red oval outlined in white on a black rectangular background with additional wording stating:

DANGER
ASBESTOS
CANCER AND LUNG DISEASE HAZARD
AUTHORIZED PERSONNEL ONLY
RESPIRATORS AND PROTECTIVE
CLOTHING ARE REQUIRED IN THIS AREA

-or-

DANGER
BENZENE
CANCER HAZARD
FLAMMABLE- NO SMOKING
AUTHORIZED PERSONNEL ONLY
RESPIRATOR REQUIRED

3.2.8. **Remove barricade once the hazard is eliminated.**

3.2.9. Barricades that routinely block vehicle traffic into process areas must not be removed until permission has been obtained from the Owning department. These barricades must be put back.

3.3. Barricade Tags

3.3.1. Must be bi-lingual

3.3.2. Must be legible

3.3.3. Marathon recommends: **Fluorescent orange** background with **Chartreuse Green** stripes

4. DEFINITIONS –

MIOSHA

- 4.1. **Caution sign or tag:** a sign or tag used to warn of a potential hazard or to warn against an unsafe practice.
- 4.2. **Danger sign or tag:** a sign or tag used to signal an immediate hazard.

OSHA

- 4.3. **DANGER - Red, or predominantly red,** with lettering or symbols in a contrasting color.
- 4.4. **CAUTION - Yellow, or predominantly yellow,** with lettering or symbols in a contrasting color.
- 4.5. **WARNING - Orange, or predominantly orange,** with lettering or symbols in a contrasting color.
- 4.6. **BIOLOGICAL HAZARD - Fluorescent orange or orange-red,** or predominantly so, with lettering or symbols in a contrasting color.

5. REFERENCES –

- 5.1. OSHA Standard 1910.145(f) App A

6. ATTACHMENTS –

- 6.1. **Attachment A** Barricade Tape Poster
- 6.2. **Attachment B** Barricade Tag (Bi-Lingual)

7. REVISION HISTORY

Revision number	Description of change	Written by	Approved by	Effective date
0	Original Procedure	R. Smith	J. Marra	12-01-09
1	Updated Document Number	E. Dvorak	L. Mazur	01-05-10
2	Minor changes and added Yellow and Magenta Rope with radiation signs	R. Smith	L. Mazur	10-18-12
3	Format changes and moved 3.2.9, warning lights for excavations near roadways to the excavation procedure	S. Wolf	J. Rabideau	10-26-15
4	Update Document Number	W. Wright	A. Morales	12-11-2020
5	Attached correct document	C. Spencer	C. Spencer	01-07-2021

ATTACHMENT A



ATTACHMENT B

