

Doc Custodian: Safety Professional	<b>Marathon Petroleum Company LP Refining</b>	Doc No: RSW-0180-GV Rev No: 2
Approved By: Safety Supervisor		<b>Garyville Refining Safe Practice</b>
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## 1.0 PURPOSE

- 1.1 The purpose of this procedure is to ensure the safety and health of personnel making access onto the roof of insulated roof tanks at the MPC LRD Refinery.

## 2.0 APPLICATION

- 2.1 This procedure applies to all Marathon Petroleum Company LP, Louisiana Refining Division (LRD) and Contractor personnel who have been authorized to make Insulated Tank Roof Access.

## 3.0 IMPLEMENTATION

- 3.1 The Division's Safety Supervisor is designated as the administrator of this program and is responsible for its implementation at the Louisiana Refining Division.
- 3.2 Access onto insulated tank roofs shall be conducted according to this standard in addition to any and all applicable regulatory standards.
- 3.3 The implementation of the requirements outlined in this Insulated Tank Roof Access Standard Practice shall be adhered to on this standard's effective date.

## 4.0 ADMINISTRATION/RESPONSIBILITIES

### 4.1 Owning Department

- 4.1.1 Maintain an inspections list for all insulated roof tanks on site. Identify the product contained in the tank and address the hazards associated with accessing the roofs of insulated roof tanks.
- 4.1.2 The Owning Department, along with the Safety Department will identify potential hazards associated with the roof and dictate the precautionary measures that shall be taken on the safe work permit.
- 4.1.3 Ensure that signs are posted on all insulated roof tanks that state:  
**WARNING CONTACT INSPECTIONS BEFORE PERFORMING WORK ON ROOF OF TANK.**

### 4.2 Servicing Department

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- 4.2.1 Know the material contained inside the tank and the possible signs and symptoms of exposure.
- 4.2.2 Ensure that a safe work permit has been issued and maintained.
- 4.2.3 Ensure that all the PPE requirements as defined by the Safe Work Permit are correct before starting any work.

## 5.0 REQUIREMENTS

- 5.1 As a general rule, the external surfaces of insulated roof tanks are to be inspected every five years per. API RP 583, Corrosion under Insulation and Fireproofing.
- 5.2 Both Operations and Contractor personnel should ensure that the tank inspection is up to date prior to performing any work on the top of the roof.

**NOTE: Until evidence of current CUI inspection readings. It should be assumed that the roof of the tank is not safe for access.**

- 5.3 Any work permitted on the Insulated Tank Roof requires at least two (2) people. One person, on breathing air, performing the necessary work, and a backup, supplied with 30 minute SCBA, remaining at the foot of the tank, and/or within visual contact of person on top of the tank.

**ATTENTION: A full body harness must be worn anytime work is being performed on top of an Insulated Tank Roof.**

- 5.4 All personnel associated with insulated tank roof access shall be trained in the duties they are expected to perform.
- 5.5 For non-routine work a backup/ attendant shall be posted at the roof access location with a system in place for each entrant that allows the attendant to maintain communication (i.e. voice, visual, radio).
- 5.6 Additional precautions are to be taken at the access point to minimize stress to the tank roof: e.g. Safe access platform, wood planks, scaffold, walkways, etc.

**CAUTION: Handling of tools and equipment should be taken into consideration while working on insulated roof tanks. Precautions should be taken to minimize the impact of tools and equipment to the tank roof.**

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## 6.0 TRAINING

- 6.1 It is the Owning Department's responsibility to review this Standard Practice with their personnel upon implementation. The Owning Department shall ensure that appropriate documentation is kept that indicates this Standard practice has been reviewed by their personnel.
- 6.2 It is the Contract Company's responsibility to ensure that their personnel are trained for the specific task they are assigned, and that appropriate training records are kept.

## 7.0 References

- *API RP 583 - Corrosion Under Insulation and Fireproofing*
- *API RP 653 – Tank Inspection, Repair, Alteration, and Reconstruction.*

## 8.0 REVISION HISTORY

Revision Number	Description of Change	Written by	Approved by	Revision Date	Effective Date
0	New Document	Marcus Quinn	Safety	2/04/2016	2/04/2016
1	Routine triennial review, no changes	Safety	Safety	12/12/2018	12/12/2021
2	Routine triennial review, no changes	Safety	Safety	12/12/2021	12/12/2021