Manual of Petroleum Measurement Standards Chapter 17.8

Pre-loading Inspection of Marine Vessel Cargo Tanks and Their Cargo-handling Systems

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Contents

Page

1 Scope ... 1

2 Normative References ... 1

3 Terms, Definitions, Acronyms, and Abbreviations ... 1
3.1 Terms and Definitions ... 1
3.2 Acronyms and Abbreviations ... 2

4 General Information ... 2

5 Safety and Health Consideration ... 3
5.1 General ... 3
5.2 Physical Characteristics and Fire Considerations ... 3
5.3 Special Safety Considerations—Entry into Confined Spaces ... 3

6 Prior to Performing Pre-loading Inspection ... 4
6.1 Vessel Responsibilities ... 4
6.2 Key Meeting ... 4

7 Visual Inspection—Deck Level ... 5

8 Visual Inspection—Tank Entry ... 6
8.1 General ... 6
8.2 Tank Entry Precautions ... 6
8.3 Tank Entry Inspection ... 7
8.4 Wall Wash Testing ... 7
8.5 Reporting Tank Entry Inspection Results ... 7

9 Sampling ... 8
9.1 General ... 8
9.2 Vessel Manifold Sample ... 8
9.3 Vessel Line Sample ... 8
9.4 First-foot Sample ... 8

Annex A (normative) Wall Wash Procedures ... 9

Annex B (informative) Cleanliness Inspection Checklist ... 14

Annex C (informative) Sample Permit/Report ... 16

Annex D (informative) Potential Sources of Contamination ... 17

Annex E (informative) Typical Wall Wash Analysis ... 18

Bibliography ... 19

Contents

Page

Figures

A.1 Wall Wash Procedures 11
B.1 Cleanliness Inspection Checklist 14
B.2 Tank Inspection Report 15
C.1 Confined Space Entry Permit (Sample Format; Other Formats Are Permitted) 16

Tables

A.1 Wall Washing Tanks 9

Pre-loading Inspection of Marine Vessel Cargo Tanks and Their Cargo-handling Systems

1 Scope

This standard specifies procedures for determining that the cargo tanks and associated cargo-handling system of marine vessels are in a suitably clean condition to receive the intended cargo. This applies to the loading of crude oil, petroleum products, and petrochemical cargoes. This standard explains the extent of inspection that can be instituted for certain general types of cargoes and an example of a format that may be used for reporting the findings of tank inspections. Because of the wide variety of conditions that may exist when performing pre-loading tank inspections, this standard is not intended to restrict the judgment of the person performing the inspection.

2 Normative References

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any addenda) applies.

API *Manual of Petroleum Measurement Standards* (*MPMS*) Chapter 8.1, *Standard Practice for Manual Sampling of Petroleum and Petroleum Products*

API *MPMS* Chapter 17.1, *Guidelines for Marine Inspection*

API *MPMS* Chapter 17.4, *Method for Quantification of Small Volumes on Marine Vessels (OBQ/ROB)*

ASTM D329,[1] *Standard Specification for Acetone*

ASTM D1152, *Standard Specification for Methanol (Methyl Alcohol)*

ASTM D1193, *Standard Specification for Reagent Water*

ASTM D1209, *Standard Test Method for Color of Clear Liquids (Platinum-Cobalt Scale)*

ASTM D1722, *Standard Test Method for Water Miscibility of Water-Soluble Solvents*

SMA 68-62, *Standard Method of Test for Detecting Chlorides*

3 Terms, Definitions, Acronyms, and Abbreviations

3.1 Terms and Definitions

For the purposes of this document, the following definitions apply.

3.1.1
cargo-handling system
All parts of a vessel's equipment used during the loading or unloading operations that may come in contact with the cargo.

[1] ASTM International, 100 Barr Harbor Drive, West Conshohocken, Pennsylvania 19428, www.astm.org.