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Chapter 19.5
(Formerly, API Publication 2514A)

El Hydrocarbon Management
HM 65

Atmospheric hydrocarbon emissions from marine
vessel transfer operations

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Atmospheric hydrocarbon emissions from marine
vessel transfer operations

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Foreword

This publication was prepared jointly by the American Petroleum Institute Committee on Petroleum Measurement and the Energy Institute Hydrocarbon Management Committee. This standard supersedes API Publication 2514A, Second Edition, September 1981, which is withdrawn. See A.1 for more information on the previous editions of this document.

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Atmospheric hydrocarbon emissions from marine vessel transfer operations

1 Scope

This standard provides methods for estimating evaporative loss from marine vessel transfer operations. Specifically, this standard addresses:

- 1) loading stock into:
 - a) ship or ocean barges, or
 - b) shallow draft barges, and
- 2) loading ballast water into ship or ocean barges from which crude oil has been unloaded.

The emission estimates are for uncontrolled loading operations and do not apply to operations using vapor balance or vapor control systems or ballasting of ships with segregated ballast tanks.

This standard does not address evaporative loss for:

- 1) very large crude carriers (VLCCs) or ultra large crude carriers (ULCCs) (unless the saturation factor K_S is determined);
- 2) marine vessels employing crude oil washing (see 3.3.1);
- 3) marine vessel transit loss;
- 4) loading ballast water into marine vessels that, prior to dockside unloading, held anything other than crude oil (unless the saturation factor K_S is determined);
- 5) unloading marine vessels.

This standard supersedes API 2514A, Second Edition, September 1981, which is withdrawn.

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