



# Technical Bulletin 06-4

## International Federation of Inspection Agencies Americas Committee

### USA Application of API MPMS Chapter 11.1 Temperature and Pressure Volume Correction Factors (2004 Edition)

In 2004, API MPMS Chapter 11.1, Temperature and Pressure Volume Correction Factors for Generalized Crude Oils, Refined Products, and Lubricating Oils was revised.

The 1980 standard used a format that resulted in a CTL (VCF) value rounded to 4 significant figures after the decimal point and was based on half degrees for API Gravity and Temperature. Under the new standard, the final CTL value will now be rounded to 5 significant figures after the decimal point and based on one-tenth degree for API Gravity and Temperature.

In September of 2004 the API released a CD-ROM containing the revised edition. A recommendation was made to allow for a two year implementation period to avoid disruption in the industry. Additional products were released by the API at the end of 2004, and as such the compliance date for these new tables was reset to January 1, 2007.

In the USA, custody transfers controlled by US Customs and Border Protection fall under 19CFR 151.13, and IFIA AC members interpret these provisions to dictate the application of the 2004 tables after December 31, 2006 in every instance. This applies to all vessel and barge shipments, including imports and exports involving discharges into and loadings from storage tank facilities, refineries and admissions to and transfers from foreign trade zones (FTZ).

In order to clarify some perceived ambiguities, within the API Standards and the CFR, IFIA AC has approached US Customs and Border Protection for a ruling on their interpretation, however at this time are awaiting a definitive response.

Pending the response from US Customs and Border Protection, the IFIA AC Member Companies position is that in the USA they will default to using the 2004 version of API MPMS Chapter 11.1, Temperature and Pressure Volume Correction Factors for Generalized Crude Oils, Refined Products, and Lubricating Oils on **all** movements after December 31st 2006.

Should a contrary position be received from US Customs and Border Protection, a subsequent bulletin will be issued to address the content of the official ruling.

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