

Texas Commission on Environmental Quality

INTEROFFICE MEMORANDUM

To: Interested Parties **Date:** December 5, 2005

Thru: Richard A. Hyde, P.E., Director, Air Permits Division
Dana Poppa Vermillion, P.E., Manager, Chemical Section, APD

From: Tony Ionescu, P.E., Technical Specialist, Chemical Section

Subject: Use of Petroleum Marketing Terminal Fugitive Factors for Pipeline Breakout Stations

The Air Permits Division has reviewed and approved the use of the Petroleum Marketing Terminal (PMT) Factors found in the U.S. Environmental Protection Agency (EPA) published document EPA-453/R-95-017, "Protocol for Equipment Leak Estimates" for the estimation of fugitive emissions from equipment components in Pipeline Breakout Stations that are used in fuel service (crude oil, gasoline, diesel, and jet fuel). Previously, PMT factors were only used for estimating fugitive emissions from equipment components in fuel distribution facilities that are one-step removed from local gasoline stations.

The PMT factors are given below. All factors are in units of lbs/hour/component.

Equipment/Service	Petroleum Marketing Terminal/Pipeline Break Out Stations
Valves	
Gas/Vapor	0.0000287
Light Liquid	0.0000948
Heavy Liquid	0.0000948
Pumps	
Light Liquid	0.00119
Heavy Liquid	0.00119
Flanges/Connectors	
Gas/Vapor	0.000092604
Light Liquid	0.00001762
Heavy Liquid	0.0000176
Other	
Gas/Vapor	0.000265
Light/Heavy Liquid	0.000287

If you should have any questions please contact Tony Ionescu at (512) 239-1277.