



Crude Pipeline

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TO WHOM IT MAY CONCERN

TEPPCO Crude Pipeline operates a marine unloading terminal for Seaway Pipeline at Freeport, Texas. The terminal handles various crude types ranging from 15 API (.9600 rel den) to 40 API (.8250 rel den). Automatic samplers are used for the determination of S&W and other crude oil qualities. Sample mixing loops with KAM Controls static mixers (20" and 24") are used to ensure adequate mixing for good sampling.

The samplers have all been tested by an independent third party in accordance with the API MPMS Chapter 8.2 Appendix A using the water injection test. The tests were conducted with the highest API gravity (lowest density) and minimum average flow rate expected at each sampler. They all met the minimum requirement for recovery of water as indicated in the standard.

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Manager Measurement