

MID-CON SYSTEM
KINDER MORGAN PRODUCTS TERMINALS LABORTORY TESTING

Petroleum Crude Oil and Petroleum Crude Condensate (products) must meet Kinder Morgan Crude & Condensate (KMCC) Tariff Specifications for acceptance into the KMCC system for transportation.

KMCC Operations and Laboratories offer KMPT customers optional onsite tank sampling and testing services on a limited basis.

Laboratory testing is available between 8:30 am and 3:30 pm Monday through Friday during the normal work week, holidays excluded. Request for sampling/testing shall be made by email to Local Operations Management and Quality Control personnel and shall include: tank number, batch identifier, movement date and requested tests.

Product not meeting KMCC Specifications may not be approved for pipeline injection. KM Quality Control reserves the right to review, approve, and deny all incoming product, as well as require retests, request water gauges/draws, and garnish waivers. The following tests are available for request by email with a 72 hour turnaround.

<u>KMPT Tank Sampling Options</u>
Shore Tank Sample – Running Sample, 1 Qt.
Shore Tank Sample – Top/Middle/Bottom, 1 Qt.
Shore Tank Sample – Upper/Middle/Lower 1 Qt.

<u>KMPT Testing Options</u>	<u>KMCC Parameters</u>	<u>Approved Methods</u>
ASTM Color	n/a	ASTM D1500
API Gravity, °API corrected to 60F	30 to 65	ASTM D5002
H2S in Vapor Space, ppm	≤ 10	ASTM D5705mod
RVPE, psi	≤ 10.0	ASTM D6377
Sediment and Water, % vol.	≤ 1.0	ASTM D4007
Water Content by Karl Fischer, % wt.	n/a	ASTM E203

*turnaround times can be impacted due to sampling constraints such as extreme weather, holidays, instrumentation outages, chemist availability, and KMCC Pipeline operations.