

KINDER MORGAN COCHIN LLC

LOCAL TARIFF

Applying on

ETHANE AND ETHANE-PROPANE MIX

from

POINTS IN THE STATE OF IOWA

To

POINTS IN THE STATE OF MICHIGAN

The rates named in this tariff are for the transportation of ethane and ethane-propane mix by pipeline subject to the General Rules and Regulations published in Kinder Morgan Cochin LLC's tariff F.E.R.C. No. 233, supplements thereto and reissues thereof, subject to the Specific Rules and Regulations published herein. (refer to page 2).

TABLE OF RATES

Rates in Dollars per Barrel, Payable in United States Currency

From	To	Dollars Per Barrel
Point on the Pipeline near Comanche, in the County of Clinton, Iowa.	Riga Delivery Point, Riga, Michigan	[I] 2.42
	International Boundary, near Detroit, Michigan	[I] 2.42

The provisions published herein will, if effective, not result in an effect on the quality of the human environment.

Strikethrough – Cancel Underline – New or Change in Wording [I] Increase

Issued in Compliance with 18 CFR § 342.3

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**SPECIFIC RULES AND REGULATIONS
APPLICABLE ON TRANSPORTATION OF ETHANE AND ETHANE-PROPANE MIX**

ITEM 4 (d) SPECIFICATIONS AS TO QUALITY

The Carrier reserves the right to reject any and all shipments of ethane or ethane-propane mix not conforming to the following quality requirements.

“Ethane” shall be in a liquid state containing at least 95.0 mol per cent ethane and shall at all times comply with the following quality requirements:

- i. it shall be commercially free from sand, dust, gums and gum forming substances, crude oil, catalyst poisons, impurities and other objectionable substances which may be injurious to the system or which may interfere with its transmission through the system;
- ii. it shall not contain more than ninety (90) parts per million by weight of total sulphur;
- iii. it shall not contain more than 2.5 mol per cent of methane;
- iv. it shall not contain more than 1.0 mol per cent of propane and heavier hydrocarbons;
- v. it shall not contain more than 2.0 mol per cent of carbon dioxide;
- vi. it shall not contain more than 0.9 parts per million by weight of chlorides;
- vii. it shall not contain any entrained or free water when measured at a temperature of minus 15 degrees Celsius and at any pressure up to 1440 psig;

“Ethane-Propane Mix” shall be in liquid state containing at least 68.0 mol per cent ethane and shall at all times comply with the quality requirements for ethane with the exception of items (iv) and (v) which shall read –

- (iv) it shall not contain more than 30.0 mol per cent of propane;
- (v) it shall not contain more than 3.0 mol per cent of butane and heavier hydrocarbons

And the addition of –

- (viii) it shall meet ASTM classification no. 1, test method ASTM D – 1838