

# **PEMBINA PIPELINE CORPORATION**

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## **PETROLEUM TOLL SCHEDULE**

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**TOLLS APPLYING TO  
THE  
TRANSPORTATION  
OF  
PETROLEUM  
ON THE SWAN HILLS CRUDE OIL SYSTEM**

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**Effective: December 1, 2014**

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**ISSUED BY:**

**Pembina Pipeline Corporation**  
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1. **Rules and Regulations.** This Toll Schedule is subject to the Rules and Regulations governing the Transportation of Petroleum dated January 1, 2013 and issued by Pembina Pipeline Corporation, as amended, supplemented, modified or replaced from time to time (the "**Rules and Regulations**") and which are publicly available on Pembina's website at [www.pembina.com](http://www.pembina.com). Unless otherwise specified herein, in this Toll Schedule all words and terms defined in the Rules and Regulations shall have the meanings ascribed to them in the Rules and Regulations, and in this regard:

2. "**Carrier**" means Pembina Pipeline Corporation.

"**Delivery Point(s)**" means the following delivery points:

<b>Delivery Point</b>	<b>Sweet Crude</b>
Enbridge Edmonton Terminal	Yes
Kinder Morgan Transmountain Pipeline	Yes
Strathcona Refinery	Yes

"**Petroleum**" means Crude Petroleum, Ethane Plus, Propane Plus, Butane and Condensate.

"**Pipeline System**" means the Swan Hills Crude Oil System.

"**Receipt Point(s)**" means the receipt points set forth in Section 5 of this Toll Schedule.

3. **Canadian Currency.** The tolls and other charges set forth in this Toll Schedule are references to and payable in Canadian dollars.

4. **Specifications.** Petroleum Tendered for transportation on the Pipeline System shall have the applicable specifications set forth in Appendix 1 to this Toll Schedule.

5. **Monthly Nomination Date.** The Monthly Nomination Dates are as published in the Crude Oil Logistics Committee calendar.

5. **Non-TA Shippers.** The tolls payable by non-TA Shippers for the receipt, transportation and delivery of Petroleum shall be as follows:

**SWAN HILLS CRUDE OIL SYSTEM**

**Effective: December 1, 2014**

The rates listed in this tariff bulletin are for the gathering, transportation and delivery of Crude Petroleum by pipeline to Edmonton from established Receipt Points on the Swan Hills System and subject to the Rules & Regulations.

<b>FACILITY CODE</b>	<b>DESCRIPTION</b>	<b>LSD</b>	<b>PRODUCT</b>	<b>TARIFF (\$/m<sup>3</sup>)</b>
8870128	APACHE 04-09	04-09-070-10 W5M	Crude	\$13.64
9250019	APACHE 10-31	10-31-063-13 W5M	Crude	\$12.56
8870091	ARC 10-17	10-17-068-10 W5M	Crude	\$12.50
8870140	ARC 10-28	10-28-069-10 W5M	Crude	\$15.89
8870123	ARCAN 03-32	03-32-066-09 W5M	Crude	\$11.50
8870020	ARCAN 10-19	10-19-068-08 W5M	Crude	\$13.63
0121248	CORAL HILL 04-12	04-12-066-12W5	Crude	\$20.00
0121357	CORAL HILL 12-36	12-36-064-10W5M	Crude	\$17.20
8870141	DEVON 02-23	02-23-067-10 W5M	Crude	\$11.68
8870134	DEVON 05-34	05-34-066-10 W5M	Crude	\$10.00
8870130	DEVON 11-18	11-18-067-10 W5M	Crude	\$10.00
0094844	MORSE RIVER TRUCK TERMINAL	12-19-066-09W5M	Crude	\$11.00
8870112	PENGROWTH 04-07	04-07-069-08 W5M	Crude	\$13.24
2000002	PENGROWTH 13-36	13-36-061-12 W5M	Crude	\$9.53
0000726	PENGROWTH A 11-06	11-06-064-10 W5M	Crude	\$9.53
9250014	PENN WEST 03-02	03-02-065-13 W5M	Crude	\$11.01
0089085	PENN WEST 03-19	03-19-065-10 W5M	Crude	\$10.43
0000059	PENN WEST 04-02	04-02-065-13 W5M	Crude	\$12.62
0090027	PENN WEST 05-02	05-02-053-26 W4M	Crude	\$7.49
8870076	PENN WEST 10-32	10-32-067-09 W5M	Crude	\$15.64
0096764	REDWATER PIPELINE	08-29-057-21W4M	Crude	\$11.00
0000821	SWAN HILLS TRUCK TERMINAL	12-25-066-10 W5M	Crude	\$11.00
0000964	TERVITA 04-05	04-05-063-11 W5M	Crude	\$11.00

NOTE: All facilities delivering less than 30 m<sup>3</sup>/d will be charged \$6.00 /m<sup>3</sup> for the difference between 30 m<sup>3</sup>/d and the actual delivery.

- 6. Intra-System Transfers.** The charge payable by each of the Transferor and the Transferee in respect of an intra-system transfer shall be \$200 for each transfer.
  
- 7. Minimum Tenders.** The minimum total volume for all Receipt Points that a Shipper can Tender for transportation by Petroleum type on the Pipeline System is 500 m<sup>3</sup> per Month. The charge applicable to Tenders that are below 500 m<sup>3</sup> per Month shall be \$10.00/m<sup>3</sup> multiplied by the positive difference between 500 m<sup>3</sup> and such Monthly Tender (expressed in m<sup>3</sup>).

- 8. Non-Performance Charge.** The Non-Performance Charge in respect of the Pipeline System shall be subject to a fee equal to Shipper's current posted toll plus 10%.
- 9. Loss Allowance.** The loss allowance rate is 0.15%.
- 10. Minimum Intervals.** Shipper shall not Tender Petroleum for transportation on the Pipeline System at intervals of less than 180 Days.
- 11. Overage or Shortage Fee.** The Overage or Shortage Fee in respect of the Pipeline System shall be equal to the higher of :
  - (a) \$14.00/m<sup>3</sup>, or
  - (b) 10% of the arithmetic average of the settlement prices per m<sup>3</sup> at West Texas Intermediate Light Sweet Crude Oil, for each Nomination Month Business Day in the Nomination Month, on the NYMEX (New York Mercantile Exchange) of the future contract for the first nearby Month.
- 12. Tolerance Margin.** Shipper Tolerance Margins are calculated by Petroleum type and is equal of the smaller of 250 m<sup>3</sup> or 3% of each Shipper Tender for each Petroleum type.
- 13. New Shipper Fee.** New Shippers will provide Pembina Pipeline Corporation with a cheque in the amount of \$20,000 as a deposit for Shipper Status. Pembina Pipeline Corporation may refund up to maximum of \$15,000 which will be paid one year after the grant of Shipper Status by Pembina Pipeline Corporation. Pembina Pipeline Corporation will calculate the refund as a credit against sustained tariff revenue that was generated against the first year of service and Pembina Pipeline Corporation will pay by cheque after the anniversary date.
- 14. Demurrage Fee.** Any volumes of Petroleum which Shipper fails to remove from the Pipeline System or custody of Carrier upon Delivery (other than Non-Specification Petroleum and Retention Stock, which are specifically addressed in Sections 5.5 and 7.9 of the Rules and Regulations, respectively) shall be subject to a fee equal to the higher of
  - (a) \$20.00/m<sup>3</sup>, or
  - (b) 10% of the arithmetic average of the settlement prices per m<sup>3</sup> at West Texas Intermediate Light Sweet Crude Oil, for each Nomination Month Business Day in the Nomination Month, on the NYMEX (New York Mercantile Exchange) of the future contract for the first nearby Month.
- 15. EDI Charge.** The Shipper shall pay \$0.06 per m<sup>3</sup> on total receipts for each production Month.

**APPENDIX 1  
SWAN HILLS PIPELINE PETROLEUM SPECIFICATIONS**

<b>SWAN HILLS PIPELINE PETROLEUM SPECIFICATIONS (EFFECTIVE: JAN 1, 2014)</b>	<b>SWEET CRUDE</b>
<b>Absolute Density</b> (in kg/m <sup>3</sup> at 15°C by ASTM D5002 )	876 – 775
<b>Reid Vapour Pressure</b> (in kpaa at 37.8°C using ASTM D323M)	◀103
<b>Receipt Temperature</b> (in °C)	40 (max.) 0.0 (min.)
<b>Moisture and Contaminant Content</b> (volume fraction by ASTM D4007) <sup>(1)(2)</sup>	◀ 0.005
<b>Colour</b> (by ASTM D1500)	◀ 8.0
<b>PH of contained water</b> <sup>(2)</sup>	▶ 5.0 & ◀ 7.0
<b>Total Sulphur</b> (in g/kg by ASTM D4294)	◀ 5.0
<b>Organic Chlorides</b> (in mg/kg in the total crude by ASTM D4929)	◀ 1
<b>Hydrogen Sulphide</b> (in mg/kg S in the liquid phase by ASTM D5623)	◀ 100 <sup>(3)</sup>
<b>Olefins, Total</b> (in g/kg by PONAOX (U) ASTM 6729 ( 250 °C cut))	◀ 10
<b>Phosphorous in Volatile fraction</b> ( in mg/kg by <i>Test Method for Determination of Organo-Phosphorous in Volatile Distillates of Crude Oil by Inductively Coupled Plasma (ICP) Optical Emission Spectrometry</i> )	◀1.5
<b>Total Salt</b> ( in g/m <sup>3</sup> )	◀ 285
<b>NOTES:</b>	
1. Contaminant content means all non-hydrocarbon materials excluding Nitrogen and Carbon Dioxide.	
2. No free water at -29°C.	
3. Guideline only.	
The symbol "◀" designates less than and "▶" designates greater than.	