

MOBIL EUGENE ISLAND PIPELINE COMPANY

LOCAL TARIFF

CONTAINING

RULES AND REGULATIONS

GOVERNING

THE TRANSPORTATION

OF

CRUDE PETROLEUM

BY

PIPELINE

GENERAL APPLICATION

The rules and regulations published herein apply only under tariffs making specific reference by F.E.R.C. number to this tariff; such reference will include successive reissues hereof. Specific rules and regulations published in individual tariffs will take precedence over rules and regulations published herein.

Rule 21A Cancels Rule 21 [W] For Application of Gravity and Sulfur Bank Rules, please refer to Mobil Eugene Island Pipeline Company F.E.R.C. Tariff No. 50.

~~ISSUED: May 31, 1996~~

~~EFFECTIVE: July 1, 1996~~

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

[W] Change in wording only

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RULES AND REGULATIONS

Rule 1. **Definitions** - "Company" means and refers to Mobil Eugene Island Pipeline Company and/or other pipeline companies which may, by proper concurrence, be parties to joint tariffs incorporating these rules and regulations by specific reference.

"Barrel" means a barrel of forty-two (42) gallons, United States measurement at 60 degrees Fahrenheit and zero pounds per square inch gauge pressure.

"Company's pipeline" means the Company's undivided interest in the System.

"Crude Petroleum", as used herein, means either the direct liquid products of oil wells, or a mixture of the direct liquid products of oil wells with the indirect liquid products of oil or gas wells, including gasoline and liquefied petroleum gases, as provided in Rule 5.

"Direct Products" means the direct liquid products of oil wells.

"Indirect Liquid Products" means the liquid products resulting from the refining of crude petroleum, operation of gasoline recovery plants, gas recycling plants, and condensate or distillate recovery equipment in gas or oil fields.

"System" means a pipeline system specifically indicated by the origins and destinations described in individual tariffs making reference hereto.

"Tender" means an offer by a shipper to the Company of a stated quantity of crude petroleum for transportation from a specified origin or origins to a specified destination or destinations in accordance with these rules and regulations.

Rule 2. **Commodity** - The Company is engaged in the transportation of crude petroleum exclusively under this tariff, and therefore will not accept any other commodity for transportation hereunder.

Rule 3. **Specifications** - The Company will receive for transportation only good merchantable crude petroleum properly settled and weathered, and which contains not more than one (1) percent basic sediment, water and other impurities, and has a temperature not in excess of one hundred forty (140) degrees Fahrenheit. If crude petroleum is accepted from tankage, settled bottoms in such tanks must not be above a point four (4) inches below the bottom of the pipeline connection with the tank from which it enters Company's facilities.

No crude petroleum will be received unless it is of acceptable character, gravity, and viscosity such that it will be readily susceptible of transportation through Company's existing facilities, and will not materially affect the quality of the other crude petroleum shipments or cause disadvantage to other shippers and/or the Company. Company reserves the right to reject any and all crude petroleum having a vapor pressure in excess of thirteen (13) pounds per square inch, absolute, at a temperature of one hundred (100) degrees Fahrenheit.

If crude petroleum tendered for transportation differs materially in character from that being transported in Company's pipeline, then it will be transported, if at all, only under such terms as the Company and the shipper may agree.

Rule 4. **Maintenance of Identity** - Crude petroleum will be accepted for transportation only on condition that it shall be subject to such changes in gravity, or characteristics while in transit as may result from the mixture with other crude petroleum in the pipeline of the Company. Company shall be under no obligation to deliver the identical crude petroleum received, but may take delivery to consignee out of common stock in the Company's pipeline at delivery point.

Rule 5. **Mixtures** -

(a) Indirect liquid products will be received for transportation only on condition that the indirect liquid products shall be mixed in Company's pipeline with direct products, and providing both the indirect liquid products and the direct liquid products are owned by the same shipper or consignee and are consigned to the same destination.

(b) The indirect liquid products portion of the mixture will be accepted for transportation at reception points other than the one at which the direct products portion of the same mixture is received, provided that the shipper, consignee, and destination are the same, and that operating conditions and the Company's facilities permit the indirect liquid products portion to be mixed with the direct products of the same shipper or consignee. The rate to be assessed on each portion of the mixture shall be the rate applicable from the reception point at which each is received.

(c) Indirect liquid products shall not exceed twenty (20) percent by volume of the total mixture of indirect liquid products with direct products, and the vapor pressure of such mixtures shall not exceed thirteen (13) pounds per square inch, absolute, at a temperature of one hundred (100) degrees Fahrenheit.

(d) The direct liquid products portion and the indirect products portion of the mixture will be measured and tested separately and must be shown separately on the shipping order, and if required on separate shipping orders.

(e) Mixtures will be transported and delivered as crude petroleum. Nothing in this Rule is to be construed to waive provisions of Rule 4 of this tariff or to require the Company to receive, transport and deliver unmixed indirect liquid products.

Rule 6. **Storage and Destination Facilities** - Storage necessarily incident to transportation will be provided by the shipper, and the shipper or consignee must provide storage facilities for receiving the crude petroleum at destination. The Company may refuse to accept crude petroleum for transportation unless satisfactory evidence be furnished that the shipper or consignee has provided the necessary facilities for the prompt receiving of said crude petroleum at its destination.

Rule 7. **Legality of Shipments** - The Company reserves the right to reject any and all crude petroleum tendered where the shipper or consignee has failed to comply with all applicable laws, rules and regulations made by any governmental authorities regulating shipments of crude petroleum.

Rule 8. **Title** - The Company shall have the right to reject any crude petroleum, when tendered for transportation, which may be involved in litigation, or the title of which may be in dispute, or which may be incumbered by lien or charge of any kind, and it may require of the shipper satisfactory evidence of his perfect and unencumbered title or satisfactory indemnity bond to protect Company.

Rule 9. **Appointment when Tenders are in Excess of Facilities** - When there shall be tendered to Company for transportation greater quantities than can be immediately transported, the transportation shall be apportioned among all shippers in proportion to the amounts tendered by each, provided that no tender for transportation shall be considered beyond the amount which the shipper requesting the shipment has on hand available and ready for shipment. Company shall be considered as a shipper of quantities tendered by itself and held for shipment through its lines, and its shipments shall be entitled to participate ratably in such apportionment.

Rule 10. Delivery at Destination - The Company will transport and deliver crude petroleum with reasonable diligence and dispatch considering the quantity and quality of the crude petroleum, the distance of transportation, safety of operations, and other material factors, but will accept no crude petroleum to be transported in time for any particular market.

After any shipment has had time to arrive at destination, and/or on twenty-four (24) hour notice to consignee, Company may begin delivery at its current pumping rate.

If the shipper or consignee, is unable or refuses to receive the crude petroleum shipment as it arrives at destination, the Company reserves the right to make whatever arrangements for disposition of the crude petroleum it deems appropriate in order to clear its pipeline. Any expenses incurred by the Company in making such arrangements shall be borne by the shipper or consignee, which charges are in addition to transportation charges accruing to shipper or consignee.

Rule 11. Payment of Transportation and Other Charges - Crude petroleum accepted for transportation shall be subject to the rates in effect on the date of receipt by Company, irrespective of the date of the tender.

The shipper or consignee shall pay Company at the rate specified for transportation and all other lawful charges accruing on crude petroleum tendered and accepted for shipment and, if required, shall pay the same before delivery. Company shall have a lien on all crude petroleum in its possession to cover charges for transportation and other lawful charges, and may withhold delivery of crude petroleum until said charges are paid. If such charges remain unpaid for more than five (5) days after notice of readiness to deliver, Company, by agent, may sell said crude petroleum at public auction at the General Office of Company, on any day not a legal holiday and not less than forty-eight (48) hours after publication of notice in a daily newspaper of general circulation published in the city where said General Office is located, said notice giving the time and place of the sale and the quantity of the crude petroleum to be sold. The Company may be a bidder and purchaser at such sale.

From the proceeds of the sale, Company may pay itself all charges lawfully accruing, and all expenses of said sale, and the net balance shall be held for whomsoever may be lawfully entitled thereto.

Rule 12. Measuring, Testing, Corrections and Deductions - All shipments tendered Company for transportation shall be tested, gauged or metered by a representative of Company prior to, or at the time of receipt from the shipper or delivery to consignee, but the shipper or consignee shall at all times have the privilege of being present or represented during the testing, gauging or metering. Quantities shall be corrected as to temperature from observed temperature to 60 degrees Fahrenheit basis by use of applicable API-ASTM-IP correction tables. A Centrifuge machine shall be used for ascertaining the percentage of basic sediment, water and other impurities in the shipment and the full amount of basic sediment, water and other impurities, thus determined, shall be deducted from the corrected volume.

Company shall account to each shipper for all Crude Petroleum received. Any overage or shortage not due to the negligence of Company, including losses or gains resulting from shrinkage, evaporation, expansion or other Crude Petroleum losses or gains inherent in the operation of a pipeline system, will be allocated on a monthly accrual basis among the shippers in the proportion that the total number of barrels delivered from the pipeline system for each shipper bears to the total number of barrels delivered from the pipeline system for all shippers.

The net balance, after applicable deductions defined above, and any loss as provided for in Rule 13 (Liability of Company), will be the quantity deliverable by Company and upon which transportation charges will be assessed.

Rule 13. Liability of Company - The Company shall not be liable for any loss of crude petroleum as described herein, or damage thereto, or delay, because of an act of God, the public enemy, quarantine, the authority of law, strikes, riots, or the acts of default of the shipper or consignee, or from any other cause not due to the diligence of Company; in case of losses from such causes, other than the negligence of Company, losses shall be charged proportionately to each shipment in the ratio that such shipment, or portion thereof, received and undelivered at the time the loss or damage occurs, bears to the total of all shipments, or portions thereof, then in the custody of Company for shipment via the lines or other facilities in which the loss or damage occurs; the consignee shall be entitled to receive only that portion of his shipment remaining after deducting his proportion of such loss or damage, determined as aforesaid, and shall be required to pay transportation charges only on the quantity delivered.

Rule 14. Claims, Suits, Time for Filing - As a condition precedent to recovery, claims must be filed in writing with Company within nine (9) months after delivery of the property, or, in case of failure to make delivery, then within nine (9) months after a reasonable time for delivery has elapsed; and suits shall be instituted against Company only within two (2) years and one (1) day from the day when notice in writing is given by Company has disallowed the claim or any part or parts thereof specified in the notice. Where claims are not filed or suits are not instituted thereon in accordance with the foregoing provisions, Company shall not be liable, and such claims will not be paid.

Rule 15. Use of Communication Facilities - When Company maintains a private communication system, shippers may use the same without extra charge for messages incident to shipment. However, Company shall not be liable for delivery of messages away from its office, delays in transmission, failures of transmission, interruption of service, or the accuracy thereof.

Rule 16. Pipeage Contracts - Separate pipeage contracts in accord with this tariff and these rules and regulations covering further details may be required by this Company before any duty for transportation shall arise.

Rule 17. Reconsignment - If no out of line or back haul movement or interference with shipping sequence is required, diversion or reconsignment may be made prior to arrival at original destination without charge, subject to the rates, rules and regulations applicable from point of origin to point of final destination.

Rule 18. Application of Rates for Intermediate Points - For crude petroleum shipments accepted for transportation from any point not named in tariffs making reference hereto which is intermediate to a point from which rates are published in said tariffs, through such unnamed point, the rate published therein from the next more distant point specified in the tariffs will apply from such unnamed point, and the gathering charge at the next more distant point shall apply when gathering service is performed. For crude petroleum shipments accepted for transportation to any point not named in tariffs making reference hereto which is intermediate to a point to which rates are published in said tariffs, through such unnamed point, the rate published therein to the next more distant point specified in the tariffs will apply.

Rule 19. Liability Fund - in addition to transportation charges and all other lawful charges accruing on Crude Petroleum tendered for shipment, a per barrel charge will be assessed and collected in the amount of the tax, fee, or other charge levied against Company in connection with such Crude Petroleum, pursuant to any Federal, State or local act or regulation which levies a tax, fee or other charge on the receipt, delivery, transfer, or transportation of such Crude Petroleum within their jurisdiction for the purpose of creating a fund for the prevention, containment, clean up and removal of spills and the reimbursement of persons sustaining loss therefrom.

Rule 20. **Tender Requirements** - Crude Petroleum will be accepted for transportation under tariffs making reference hereto from one Shipper consigned to one consignee and destination; provided, however, that Crude Petroleum will be accepted only at such times as Crude Petroleum of similar quality and characteristics is being transported from receiving point to delivery point.

Company requires that Tenders for shipment of Crude Petroleum on its pipeline systems be received on or before 4:15P.M., Central Standard Time or Central Daylight Savings Time, the last working day prior to the 26th day of the month preceding the month during which shipment is requested. Written confirmation of verbal tenders for shipment must be provided by the first of the month during which shipment is requested.

Rule 21. **Gravity and Sulfur Bank** - To assure that no Shipper will be materially damaged by changes in gravity and sulfur due to intermixing of crude petroleum in the System, shippers will be required, as a condition of tendering, to participate in a Gravity and Sulfur Bank.

The tables of gravity and sulfur differential values per barrel as attached hereto as Exhibits A, B and C are incorporated herein and made a part of this Policy.

The weighted average gravity differential value per barrel (for two or more gravities of crude petroleum), as hereinafter referred to, shall be obtained in the following manner: Multiply the gravity differential values per barrel (from attached tables as same are from time to time revised) by the number of barrels to which such gravity differential value are applicable and then divide the total of the resultant gravity differential values in dollars and cents by the total of the applicable barrels.

Applicable barrels and gravities shall be the net barrels at 60° Fahrenheit (with no deduction for loss allowance) and the gravities recorded by the Operator at points where it customarily records gravities and quantities.

Applicable barrels and sulfur content shall be the net barrels at 60° Fahrenheit (with no deduction for loss allowance) and the sulfur content recorded by a competent laboratory for samples obtained by the Operator at points where it customarily measures and samples receipts for custody transfer.

Sulfur content as furnished by the laboratory at the true gravity shall be adjusted to reflect its comparison to the reference crude at 35.5° gravity. The adjustment to the test sulfur content shall be made by establishing a ratio of weight per gallon for the gravity of the sample to weight per gallon for the gravity of the reference crude of 35.5° gravity. The Table of Ratio Factors for Sulfur Adjustments is attached hereto as Exhibit "C" and made a part of this Policy.

The ratio thus obtained will be applied against the tested sulfur content of the sample to obtain the adjusted sulfur content (gravity ratio x tested sulfur content = adjusted sulfur content). The adjusted sulfur content will then be used to obtain the sulfur differential value per barrel from the table of sulfur differential values per barrel (Exhibit "B").

The weighted average sulfur differential value per barrel (for two or more sulfur contents of crude petroleum), as hereinafter referred to, shall be obtained in the following manner: Multiply the sulfur differential values per barrel (from attached tables as same are from time to time revised) by the number of barrels to which such sulfur differential values are applicable and then divide the total of the resultant sulfur differential values in dollars and cents by the total of the applicable barrels.

Adjustment between shippers shall be computed as follows:

I. Compute the weighted average gravity differential value per barrel of the barrels received from each Shipper.

Compute the weighted average sulfur differential value per barrel of the barrels received from each Shipper.

II. Compute the weighted average gravity differential value per barrel of the composite common stream receipts.

A. If the weighted average gravity differential value per barrel of a shipper as so determined under Paragraph I above shall be greater than the weighted average gravity differential value per barrel of the aforementioned common stream crude petroleum as determined under Paragraph II, the difference in cents per barrel shall be calculated and Shipper shall be credited an amount calculated by multiplying said difference in gravity differential value per barrel by the applicable barrels.

B. If the weighted average gravity differential value per barrel of a shipper is less than the weighted average gravity differential value per barrel of the aforementioned common stream crude petroleum, the difference shall be calculated as above outlined and a Shipper debited for such difference.

Compute the weighted average sulfur differential value per barrel of the composite common stream receipts.

A. If the weighted average sulfur differential value per barrel of the undersigned shipper as so determined under Paragraph I above shall be greater than the weighted average sulfur differential value per barrel of the aforementioned common stream crude petroleum as determined under Paragraph II, the difference in cents per barrel shall be calculated and shipper shall be debited an amount calculated by multiplying said difference in sulfur differential value per barrel by the applicable barrels.

B. If the weighted average sulfur differential value per barrel of the undersigned shipper is less than the weighted average sulfur differential value per barrel of the aforementioned common stream crude petroleum, the difference shall be calculated as above outlined and Shipper shall be credited for such difference.

A sample calculation is attached as Exhibit "D".

These calculations shall be made for each calendar month and the algebraic sum of the adjustments for the System shall be zero +/- One Dollar. If a Shipper shall have a net debit balance in combining the two adjustments made above, the balance shall be remitted to the clearing house within five (5) days from receipt of statement of such debit. If shipper shall have a credit, the clearinghouse shall remit the amount thereof after receipt by the clearinghouse of the sums from those shippers having debits as calculated above.

[U] All rates on this page are unchanged.

EXHIBIT "A"

ADJUSTMENT AUTHORIZATION
 TABLES OF DIFFERENTIALS FOR USE IN DETERMINING ADJUSTMENTS FOR
 DIFFERENCE IN GRAVITY OF CRUDE PETROLEUM IN
 EUGENE ISLAND PIPELINE SYSTEM COMMON STREAM EUGENE ISLAND CRUDE

<u>API Grav</u>	<u>Diff \$/Bbl</u>	<u>API Grav</u>	<u>Diff \$/Bbl</u>	<u>API Grav</u>	<u>Diff \$/Bbl</u>	<u>API Grav</u>	<u>Diff \$/Bbl</u>	<u>API Grav</u>	<u>Diff \$/Bbl</u>	<u>API Grav</u>	<u>Diff \$/Bbl</u>	<u>API Grav</u>	<u>Diff \$/Bbl</u>
10.0	1.250	15.0	2.000	20.0	2.750	25.0	3.500	30.0	4.250	35.0	5.000	40.0	5.100
10.1	1.265	15.1	2.015	20.1	2.765	25.1	3.515	30.1	4.265	35.1	5.000	40.1	5.100
10.2	1.280	15.2	2.030	20.2	2.780	25.2	3.530	30.2	4.280	35.2	5.000	40.2	5.100
10.3	1.295	15.3	2.045	20.3	2.795	25.3	3.545	30.3	4.295	35.3	5.000	40.3	5.100
10.4	1.310	15.4	2.060	20.4	2.810	25.4	3.560	30.4	4.310	35.4	5.000	40.4	5.100
10.5	1.325	15.5	2.075	20.5	2.825	25.5	3.575	30.5	4.325	35.5	5.000	40.5	5.100
10.6	1.340	15.6	2.090	20.6	2.840	25.6	3.590	30.6	4.340	35.6	5.000	40.6	5.100
10.7	1.355	15.7	2.105	20.7	2.855	25.7	3.605	30.7	4.355	35.7	5.000	40.7	5.100
10.8	1.370	15.8	2.120	20.8	2.870	25.8	3.620	30.8	4.370	35.8	5.000	40.8	5.100
10.9	1.385	15.9	2.135	20.9	2.885	25.9	3.635	30.9	4.385	35.9	5.000	40.9	5.100
11.0	1.400	16.0	2.150	21.0	2.900	26.0	3.650	31.0	4.400	36.0	5.020	41.0	5.100
11.1	1.415	16.1	2.165	21.1	2.915	26.1	3.665	31.1	4.415	36.1	5.020	41.1	5.100
11.2	1.430	16.2	2.180	21.2	2.930	26.2	3.680	31.2	4.430	36.2	5.020	41.2	5.100
11.3	1.445	16.3	2.195	21.3	2.945	26.3	3.695	31.3	4.445	36.3	5.020	41.3	5.100
11.4	1.460	16.4	2.210	21.4	2.960	26.4	3.710	31.4	4.460	36.4	5.020	41.4	5.100
11.5	1.475	16.5	2.225	21.5	2.975	26.5	3.725	31.5	4.475	36.5	5.020	41.5	5.100
11.6	1.490	16.6	2.240	21.6	2.990	26.6	3.740	31.6	4.490	36.6	5.020	41.6	5.100
11.7	1.505	16.7	2.255	21.7	3.005	26.7	3.755	31.7	4.505	36.7	5.020	41.7	5.100
11.8	1.520	16.8	2.270	21.8	3.020	26.8	3.770	31.8	4.520	36.8	5.020	41.8	5.100
11.9	1.535	16.9	2.285	21.9	3.035	26.9	3.785	31.9	4.535	36.9	5.020	41.9	5.100
12.0	1.550	17.0	2.300	22.0	3.050	27.0	3.800	32.0	4.550	37.0	5.040	42.0	5.100
12.1	1.565	17.1	2.315	22.1	3.065	27.1	3.815	32.1	4.565	37.1	5.040	42.1	5.100
12.2	1.580	17.2	2.330	22.2	3.080	27.2	3.830	32.2	4.580	37.2	5.040	42.2	5.100
12.3	1.595	17.3	2.345	22.3	3.095	27.3	3.845	32.3	4.595	37.3	5.040	42.3	5.100
12.4	1.610	17.4	2.360	22.4	3.110	27.4	3.860	32.4	4.610	37.4	5.040	42.4	5.100
12.5	1.625	17.5	2.375	22.5	3.125	27.5	3.875	32.5	4.625	37.5	5.040	42.5	5.100
12.6	1.640	17.6	2.390	22.6	3.140	27.6	3.890	32.6	4.640	37.6	5.040	42.6	5.100
12.7	1.655	17.7	2.405	22.7	3.155	27.7	3.905	32.7	4.655	37.7	5.040	42.7	5.100
12.8	1.670	17.8	2.420	22.8	3.170	27.8	3.920	32.8	4.670	37.8	5.040	42.8	5.100
12.9	1.685	17.9	2.435	22.9	3.185	27.9	3.935	32.9	4.685	37.9	5.040	42.9	5.100
13.0	1.700	18.0	2.450	23.0	3.200	28.0	3.950	33.0	4.700	38.0	5.060	43.0	5.100
13.1	1.715	18.1	2.465	23.1	3.215	28.1	3.965	33.1	4.715	38.1	5.060	43.1	5.100
13.2	1.730	18.2	2.480	23.2	3.230	28.2	3.980	33.2	4.730	38.2	5.060	43.2	5.100
13.3	1.745	18.3	2.495	23.3	3.245	28.3	3.995	33.3	4.745	38.3	5.060	43.3	5.100
13.4	1.760	18.4	2.510	23.4	3.260	28.4	4.010	33.4	4.760	38.4	5.060	43.4	5.100
13.5	1.775	18.5	2.525	23.5	3.275	28.5	4.025	33.5	4.775	38.5	5.060	43.5	5.100
13.6	1.790	18.6	2.540	23.6	3.290	28.6	4.040	33.6	4.790	38.6	5.060	43.6	5.100
13.7	1.805	18.7	2.555	23.7	3.305	28.7	4.075	33.7	4.805	38.7	5.060	43.7	5.100
13.8	1.820	18.8	2.570	23.8	3.320	28.8	4.070	33.8	4.820	38.8	5.060	43.8	5.100
13.9	1.835	18.9	2.585	23.9	3.335	28.9	4.085	33.9	4.835	38.9	5.060	43.9	5.100
14.0	1.850	19.0	2.600	24.0	3.350	29.0	4.100	34.0	4.850	39.0	5.080	44.0	5.100
14.1	1.865	19.1	2.615	24.1	3.365	29.1	4.115	34.1	4.865	39.1	5.080	44.1	5.100
14.2	1.880	19.2	2.630	24.2	3.380	29.2	4.130	34.2	4.880	39.2	5.080	44.2	5.100
14.3	1.895	19.3	2.645	24.3	3.395	29.3	4.145	34.3	4.895	39.3	5.080	44.3	5.100
14.4	1.910	19.4	2.660	24.4	3.410	29.4	4.160	34.4	4.910	39.4	5.080	44.4	5.100
14.5	1.925	19.5	2.675	24.5	3.425	29.5	4.175	34.5	4.925	39.5	5.080	44.5	5.100
14.6	1.940	19.6	2.690	24.6	3.440	29.6	4.190	34.6	4.940	39.6	5.080	44.6	5.100
14.7	1.955	19.7	2.705	24.7	3.455	29.7	4.205	34.7	4.955	39.7	5.080	44.7	5.100
14.8	1.970	19.8	2.720	24.8	3.470	29.8	4.220	34.8	4.970	39.8	5.080	44.8	5.100
14.9	1.985	19.9	2.735	24.9	3.485	29.9	4.235	34.9	4.985	39.9	5.080	44.9	5.100

EXHIBIT "A" (CONT.)

ADJUSTMENT AUTHORIZATION

TABLES OF DIFFERENTIALS FOR USE IN DETERMINING ADJUSTMENTS FOR
DIFFERENCE IN GRAVITY OF CRUDE PETROLEUM IN
EUGENE ISLAND PIPELINE SYSTEM COMMON STREAM EUGENE ISLAND CRUDE

<u>API</u>	<u>Diff</u>	<u>API</u>	<u>Diff</u>	<u>API</u>	<u>Diff</u>	<u>API</u>	<u>Diff</u>	<u>API</u>	<u>Diff</u>	<u>API</u>	<u>Diff</u>	<u>API</u>	<u>Diff</u>
<u>Grav</u>	<u>\$/Bbl</u>	<u>Grav</u>	<u>\$/Bbl</u>	<u>Grav</u>	<u>\$/Bbl</u>	<u>Grav</u>	<u>\$/Bbl</u>	<u>Grav</u>	<u>\$/Bbl</u>	<u>Grav</u>	<u>\$/Bbl</u>	<u>Grav</u>	<u>\$/Bbl</u>
45.0	5.100	50.0	4.350	55.0	3.600								
45.1	5.085	50.1	4.355										
45.2	5.070	50.2	4.320										
45.3	5.055	50.3	4.305										
45.4	5.040	50.4	4.290										
45.5	5.025	50.5	4.275										
45.6	5.010	50.6	4.260										
45.7	4.995	50.7	4.245										
45.8	4.980	50.8	4.230										
45.9	4.965	50.9	4.215										
46.0	4.950	51.0	4.200										
46.1	4.935	51.1	4.185										
46.2	4.920	51.2	4.170										
46.3	4.905	51.3	4.155										
46.4	4.890	51.4	4.140										
46.5	4.875	51.5	4.125										
46.6	4.860	51.6	4.110										
46.7	4.845	51.7	4.095										
46.8	4.830	51.8	4.080										
46.9	4.815	51.9	4.065										
47.0	4.800	52.0	4.050										
47.1	4.785	52.1	4.035										
47.2	4.770	52.2	4.020										
47.3	4.755	52.3	4.005										
47.4	4.740	52.4	3.990										
47.5	4.725	52.5	3.975										
47.6	4.710	52.6	3.960										
47.7	4.695	52.7	3.945										
47.8	4.680	52.8	3.930										
47.9	4.665	52.9	3.915										
48.0	4.650	53.0	3.900										
48.1	4.635	53.1	3.885										
48.2	4.620	53.2	3.870										
48.3	4.605	53.3	3.855										
48.4	4.590	53.4	3.840										
48.5	4.575	53.5	3.825										
48.6	4.560	53.6	3.810										
48.7	4.545	53.7	3.795										
48.8	4.530	53.8	3.780										
48.9	4.515	53.9	3.765										
49.0	4.500	54.0	3.750										
49.1	4.485	54.1	3.755										
49.2	4.470	54.2	3.720										
49.3	4.455	54.3	3.705										
49.4	4.440	54.4	3.690										
49.5	4.425	54.5	3.675										
49.6	4.410	54.6	3.660										
49.7	4.395	54.7	3.645										
49.8	4.380	54.8	3.630										
49.9	4.365	54.9	3.615										

For API GRAVITY values above 55.0°
API the differential continues to
decline 0.015/bbl per 0.1° API
Gravity.

[U] All rates on this page are unchanged.

EXHIBIT "B"

ADJUSTMENT AUTHORIZATION
 TABLES OF DIFFERENTIALS FOR USE IN DETERMINING ADJUSTMENTS FOR
 DIFFERENCE IN SULFUR CONTENT OF CRUDE PETROLEUM IN
 EUGENE ISLAND PIPELINE SYSTEM COMMON STREAM EUGENE ISLAND CRUDE

<u>Percent Sulfur</u>	<u>Diff. Per Bbl</u>	<u>Percent Sulfur</u>	<u>Diff. Per Bbl</u>	<u>Percent Sulfur</u>	<u>Diff. Per Bbl</u>	<u>Percent Sulfur</u>	<u>Diff. Per Bbl</u>	<u>Percent Sulfur</u>	<u>Diff. Per Bbl</u>
0.00	1.000	0.60	1.600	1.20	2.200	1.80	2.800	2.40	3.400
0.01	1.010	0.61	1.610	1.21	2.210	1.81	2.810	2.41	3.410
0.02	1.020	0.62	1.620	1.22	2.220	1.82	2.820	2.42	3.420
0.03	1.030	0.63	1.630	1.23	2.230	1.83	2.830	2.43	3.430
0.04	1.040	0.64	1.640	1.24	2.240	1.84	2.840	2.44	3.440
0.05	1.050	0.65	1.650	1.25	2.250	1.85	2.850	2.45	3.450
0.06	1.060	0.66	1.660	1.26	2.260	1.86	2.860	2.46	3.460
0.07	1.070	0.67	1.670	1.27	2.270	1.87	2.870	2.47	3.470
0.08	1.080	0.68	1.680	1.28	2.280	1.88	2.880	2.48	3.480
0.09	1.090	0.69	1.690	1.29	2.290	1.89	2.890	2.49	3.490
0.10	1.100	0.70	1.700	1.30	2.300	1.90	2.900	2.50	3.500
0.11	1.110	0.71	1.710	1.31	2.310	1.91	2.910	2.51	3.510
0.12	1.120	0.72	1.720	1.32	2.320	1.92	2.920	2.52	3.520
0.13	1.130	0.73	1.730	1.33	2.330	1.93	2.930	2.53	3.530
0.14	1.140	0.74	1.740	1.34	2.340	1.94	2.940	2.54	3.540
0.15	1.150	0.75	1.750	1.35	2.350	1.95	2.950	2.55	3.550
0.16	1.160	0.76	1.760	1.36	2.360	1.96	2.960	2.56	3.560
0.17	1.170	0.77	1.770	1.37	2.370	1.97	2.970	2.57	3.570
0.18	1.180	0.78	1.780	1.38	2.380	1.98	2.980	2.58	3.580
0.19	1.190	0.79	1.790	1.39	2.390	1.99	2.990	2.59	3.590
0.20	1.200	0.80	1.800	1.40	2.400	2.00	3.000	2.60	3.600
0.21	1.210	0.81	1.810	1.41	2.410	2.01	3.010	2.61	3.610
0.22	1.220	0.82	1.820	1.42	2.420	2.02	3.020	2.62	3.620
0.23	1.230	0.83	1.830	1.43	2.430	2.03	3.030	2.63	3.630
0.24	1.240	0.84	1.840	1.44	2.440	2.04	3.040	2.64	3.640
0.25	1.250	0.85	1.850	1.45	2.450	2.05	3.050	2.65	3.650
0.26	1.260	0.86	1.860	1.46	2.460	2.06	3.060	2.66	3.660
0.27	1.270	0.87	1.870	1.47	2.470	2.07	3.070	2.67	3.670
0.28	1.280	0.88	1.880	1.48	2.480	2.08	3.080	2.68	3.680
0.29	1.290	0.89	1.890	1.49	2.490	2.09	3.090	2.69	3.690
0.30	1.300	0.90	1.900	1.50	2.500	2.10	3.100	2.70	3.700
0.31	1.310	0.91	1.910	1.51	2.510	2.11	3.110	2.71	3.710
0.32	1.320	0.92	1.920	1.52	2.520	2.12	3.120	2.72	3.720
0.33	1.330	0.93	1.930	1.53	2.530	2.13	3.130	2.73	3.730
0.34	1.340	0.94	1.940	1.54	2.540	2.14	3.140	2.74	3.740
0.35	1.350	0.95	1.950	1.55	2.550	2.15	3.150	2.75	3.750
0.36	1.360	0.96	1.960	1.56	2.560	2.16	3.160	2.76	3.760
0.37	1.370	0.97	1.970	1.57	2.570	2.17	3.170	2.77	3.770
0.38	1.380	0.98	1.980	1.58	2.580	2.18	3.180	2.78	3.780
0.39	1.390	0.99	1.990	1.59	2.590	2.19	3.190	2.79	3.790
0.40	1.400	1.00	2.000	1.60	2.600	2.20	3.200	2.80	3.800
0.41	1.410	1.01	2.010	1.61	2.610	2.21	3.210	2.81	3.810
0.42	1.420	1.02	2.020	1.62	2.620	2.22	3.220	2.82	3.820
0.43	1.430	1.03	2.030	1.63	2.630	2.23	3.230	2.83	3.830
0.44	1.440	1.04	2.040	1.64	2.640	2.24	3.240	2.84	3.840
0.45	1.450	1.05	2.050	1.65	2.650	2.25	3.250	2.85	3.850
0.46	1.460	1.06	2.060	1.66	2.660	2.26	3.260	2.86	3.860
0.47	1.470	1.07	2.070	1.67	2.670	2.27	3.270	2.87	3.870
0.48	1.480	1.08	2.080	1.68	2.680	2.28	3.280	2.88	3.880
0.49	1.490	1.09	2.090	1.69	2.690	2.29	3.290	2.89	3.890
0.50	1.500	1.10	2.100	1.70	2.700	2.30	3.300	2.90	3.900
0.51	1.510	1.11	2.110	1.71	2.710	2.31	3.310	2.91	3.910
0.52	1.520	1.12	2.120	1.72	2.720	2.32	3.320	2.92	3.920
0.53	1.530	1.13	2.130	1.73	2.730	2.33	3.330	2.93	3.930
0.54	1.540	1.14	2.140	1.74	2.740	2.34	3.340	2.94	3.940
0.55	1.550	1.15	2.150	1.75	2.750	2.35	3.350	2.95	3.950
0.56	1.560	1.16	2.160	1.76	2.760	2.36	3.360	2.96	3.960
0.57	1.570	1.17	2.170	1.77	2.770	2.37	3.370	2.97	3.970
0.58	1.580	1.18	2.180	1.78	2.780	2.38	3.380	2.98	3.980
0.59	1.590	1.19	2.190	1.79	2.790	2.39	3.390	2.99	3.990

[N] All rates on this page are new. **EXHIBIT "B" (CONT)**

See NOTE at bottom of page.

ADJUSTMENT AUTHORIZATION
TABLES OF DIFFERENTIALS FOR USE IN DETERMINING ADJUSTMENTS FOR
DIFFERENCE IN SULFUR CONTENT OF CRUDE PETROLEUM IN
EUGENE ISLAND PIPELINE SYSTEM COMMON STREAM EUGENE ISLAND CRUDE

<u>Percent Sulfur</u>	<u>Diff. Per Bbl</u>	<u>Percent Sulfur</u>	<u>Diff. Per Bbl</u>
3.00	4.000	3.60	4.600
3.01	4.010	3.61	4.610
3.02	4.020	3.62	4.620
3.03	4.030	3.63	4.630
3.04	4.040	3.64	4.640
3.05	4.050	3.65	4.650
3.06	4.060	3.66	4.660
3.07	4.070	3.67	4.670
3.08	4.080	3.68	4.680
3.09	4.090	3.69	4.690
3.10	4.100	3.70	4.700
3.11	4.110	3.71	4.710
3.12	4.120	3.72	4.720
3.13	4.130	3.73	4.730
3.14	4.140	3.74	4.740
3.15	4.150	3.75	4.750
3.16	4.160	3.76	4.760
3.17	4.170	3.77	4.770
3.18	4.180	3.78	4.780
3.19	4.190	3.79	4.790
3.20	4.200	3.80	4.800
3.21	4.210	3.81	4.810
3.22	4.220	3.82	4.820
3.23	4.230	3.83	4.830
3.24	4.240	3.84	4.840
3.25	4.250	3.85	4.850
3.26	4.260	3.86	4.860
3.27	4.270	3.87	4.870
3.28	4.280	3.88	4.880
3.29	4.290	3.89	4.890
3.30	4.300	3.90	4.900
3.31	4.310	3.91	4.910
3.32	4.320	3.92	4.920
3.33	4.330	3.93	4.930
3.34	4.340	3.94	4.940
3.35	4.350	3.95	4.950
3.36	4.360	3.96	4.960
3.37	4.370	3.97	4.970
3.38	4.380	3.98	4.980
3.39	4.390	3.99	4.990
3.40	4.400	4.00	5.000
3.41	4.410		
3.42	4.420		
3.43	4.430		
3.44	4.440		
3.45	4.450		
3.46	4.460		
3.47	4.470		
3.48	4.480		
3.49	4.490		
3.50	4.500		
3.51	4.510		
3.52	4.520		
3.53	4.530		
3.54	4.540		
3.55	4.550		
3.56	4.560		
3.57	4.570		
3.58	4.580		
3.59	4.590		

[N] For Sulfur Values above 4.00%, the differential continues to increase 0.01/BBL per 0.01 Percent Sulfur

[NOTE: Although the rates shown are new to this publication, EXHIBIT "B" has merely been expanded to show sulfur values through 4.00% , and to explain how the differential per barrel is determined for sulfur contents above 4.00%.]

[N] All rates on this page are unchanged. **EXHIBIT "C"**

ADJUSTMENT AUTHORIZATION

RATIO FACTORS FOR SULFUR ADJUSTMENT
 WEIGHT OF CRUDE BY GRAVITY TO REFERENCE BASE OF 35.5° API GRAVITY
 EUGENE ISLAND PIPELINE SYSTEM COMMON STREAM EUGENE ISLAND CRUDE

<u>API Gravity</u>	<u>Ratio To 35.5° WT.</u>	<u>API Gravity</u>	<u>Ratio To 35.5° WT.</u>	<u>API Gravity</u>	<u>Ratio To 35.5° WT.</u>	<u>API Gravity</u>	<u>Ratio To 35.5° WT.</u>
10.0	1.18044	16.0	1.13239	22.0	1.08802	28.0	1.04706
10.1	1.17959	16.1	1.13168	22.1	1.08731	28.1	1.04649
10.2	1.17888	16.2	1.13083	22.2	1.08661	28.2	1.04578
10.3	1.17803	16.3	1.13012	22.3	1.08590	28.3	1.04507
10.4	1.17718	16.4	1.12927	22.4	1.08519	28.4	1.04451
10.5	1.17633	16.5	1.12856	22.5	1.08448	28.5	1.04380
10.6	1.17548	16.6	1.12785	22.6	1.08377	28.6	1.04323
10.7	1.17463	16.7	1.12700	22.7	1.08320	28.7	1.04252
10.8	1.17378	16.8	1.12629	22.8	1.08249	28.8	1.04181
10.9	1.17307	16.9	1.12558	22.9	1.08179	28.9	1.04125
11.0	1.17222	17.0	1.12473	23.0	1.08108	29.0	1.04054
11.1	1.17137	17.1	1.12403	23.1	1.08037	29.1	1.03997
11.2	1.17052	17.2	1.12332	23.2	1.07966	29.2	1.03926
11.3	1.16967	17.3	1.12247	23.3	1.07895	29.3	1.03855
11.4	1.16896	17.4	1.12176	23.4	1.07824	29.4	1.03799
11.5	1.16811	17.5	1.12105	23.5	1.07753	29.5	1.03728
11.6	1.16726	17.6	1.12020	23.6	1.07682	29.6	1.03671
11.7	1.16641	17.7	1.11949	23.7	1.07612	29.7	1.03600
11.8	1.16570	17.8	1.11878	23.8	1.07541	29.8	1.03544
11.9	1.16485	17.9	1.11793	23.9	1.07470	29.9	1.03473
12.0	1.16400	18.0	1.11722	24.0	1.07413	30.0	1.03416
12.1	1.16315	18.1	1.11651	24.1	1.07342	30.1	1.03345
12.2	1.16244	18.2	1.11580	24.2	1.07271	30.2	1.03288
12.3	1.16159	18.3	1.11495	24.3	1.07201	30.3	1.03218
12.4	1.16074	18.4	1.11425	24.4	1.07130	30.4	1.03161
12.5	1.16003	18.5	1.11354	24.5	1.07059	30.5	1.03090
12.6	1.15918	18.6	1.11283	24.6	1.06988	30.6	1.03033
12.7	1.15833	18.7	1.11198	24.7	1.06931	30.7	1.02962
12.8	1.15748	18.8	1.11127	24.8	1.06860	30.8	1.02906
12.9	1.15677	18.9	1.11056	24.9	1.06790	30.9	1.02835
13.0	1.15592	19.0	1.10985	25.0	1.06719	31.0	1.02778
13.1	1.15521	19.1	1.10900	25.1	1.06648	31.1	1.02707
13.2	1.15436	19.2	1.10829	25.2	1.06577	31.2	1.02651
13.3	1.15351	19.3	1.10758	25.3	1.06520	31.3	1.02580
13.4	1.15280	19.4	1.10687	25.4	1.06449	31.4	1.02523
13.5	1.15195	19.5	1.10617	25.5	1.06378	31.5	1.02452
13.6	1.15110	19.6	1.10532	25.6	1.06308	31.6	1.02395
13.7	1.15039	19.7	1.10461	25.7	1.06251	31.7	1.02339
13.8	1.14954	19.8	1.10390	25.8	1.06180	31.8	1.02268
13.9	1.14883	19.9	1.10319	25.9	1.06109	31.9	1.02211
14.0	1.14798	20.0	1.10248	26.0	1.06038	32.0	1.02140
14.1	1.14713	20.1	1.10177	26.1	1.05967	32.1	1.02084
14.2	1.14642	20.2	1.10106	26.2	1.05911	32.2	1.02013
14.3	1.14557	20.3	1.10021	26.3	1.05840	32.3	1.01956
14.4	1.14486	20.4	1.09950	26.4	1.05769	32.4	1.01899
14.5	1.14401	20.5	1.09880	26.5	1.05698	32.5	1.01828
14.6	1.14330	20.6	1.09809	26.6	1.05641	32.6	1.01772
14.7	1.14245	20.7	1.09738	26.7	1.05571	32.7	1.01715
14.8	1.14174	20.8	1.09667	26.8	1.05500	32.8	1.01644
14.9	1.14089	20.9	1.09596	26.9	1.05443	32.9	1.01588
15.0	1.14018	21.0	1.09525	27.0	1.05372	33.0	1.01517
15.1	1.13933	21.1	1.09454	27.1	1.05301	33.1	1.01460
15.2	1.13863	21.2	1.09383	27.2	1.05245	33.2	1.01403
15.3	1.13777	21.3	1.09313	27.3	1.05174	33.3	1.01332
15.4	1.13707	21.4	1.09242	27.4	1.05103	33.4	1.01276
15.5	1.13622	21.5	1.09171	27.5	1.05046	33.5	1.01219
15.6	1.13551	21.6	1.09086	27.6	1.04975	33.6	1.01148
15.7	1.13466	21.7	1.09015	27.7	1.04904	33.7	1.01091
15.8	1.13395	21.8	1.08944	27.8	1.04848	33.8	1.01035
15.9	1.13324	21.9	1.08873	27.9	1.04777	33.9	1.00964

[N] All rates on this page are unchanged. **EXHIBIT "C"**

ADJUSTMENT AUTHORIZATION

RATIO FACTORS FOR SULFUR ADJUSTMENT
 WEIGHT OF CRUDE BY GRAVITY TO REFERENCE BASE OF 35.5° API GRAVITY
 EUGENE ISLAND PIPELINE SYSTEM COMMON STREAM EUGENE ISLAND CRUDE

<u>API Gravity</u>	<u>Ratio To 35.5° WT.</u>	<u>API Gravity</u>	<u>Ratio To 35.5° WT.</u>	<u>API Gravity</u>	<u>Ratio To 35.5° WT.</u>	<u>API Gravity</u>	<u>Ratio To 35.5° WT.</u>
34.0	1.00907	40.0	0.97378	46.0	0.94075	52.0	0.90999
34.1	1.00850	40.1	0.97321	46.1	0.94018	52.1	0.90943
34.2	1.00780	40.2	0.97264	46.2	0.93976	52.2	0.90900
34.3	1.00723	40.3	0.97208	46.3	0.93919	52.3	0.90843
34.4	1.00666	40.4	0.97151	46.4	0.93863	52.4	0.90801
34.5	1.00609	40.5	0.97094	46.5	0.93806	52.5	0.90744
34.6	1.00539	40.6	0.97038	46.6	0.93763	52.6	0.90702
34.7	1.00482	40.7	0.96981	46.7	0.93707	52.7	0.90645
34.8	1.00425	40.8	0.96924	46.8	0.93650	52.8	0.90602
34.9	1.00369	40.9	0.96867	46.9	0.93607	52.9	0.90546
35.0	1.00298	41.0	0.96811	47.0	0.93551	53.0	0.90503
35.1	1.00241	41.1	0.96754	47.1	0.93494	53.1	0.90446
35.2	1.00184	41.2	0.96697	47.2	0.93437	53.2	0.90404
35.3	1.00128	41.3	0.96641	47.3	0.93395	53.3	0.90361
35.4	1.00057	41.4	0.96584	47.4	0.93338	53.4	0.90305
35.5	1.00000	41.5	0.96527	47.5	0.93281	53.5	0.90262
35.6	1.99943	41.6	0.96471	47.6	0.93239	53.6	0.90206
35.7	1.99887	41.7	0.96414	47.7	0.93182	53.7	0.90163
35.8	1.99816	41.8	0.96357	47.8	0.93125	53.8	0.90106
35.9	1.99759	41.9	0.96300	47.9	0.93083	53.9	0.90064
36.0	1.99702	42.0	0.96244	48.0	0.93026	54.0	0.90007
36.1	1.99646	42.1	0.96187	48.1	0.92970	54.1	0.89965
36.2	1.99589	42.2	0.96145	48.2	0.92927	54.2	0.89922
36.3	1.99518	42.3	0.96088	48.3	0.92870	54.3	0.89865
36.4	1.99461	42.4	0.96031	48.4	0.92814	54.4	0.89823
36.5	1.99405	42.5	0.95974	48.5	0.92771	54.5	0.89766
36.6	1.99348	42.6	0.95918	48.6	0.92714	54.6	0.89724
36.7	1.99291	42.7	0.95861	48.7	0.92672	54.7	0.89681
36.8	1.99220	42.8	0.95804	48.8	0.92615	54.8	0.89624
36.9	1.99164	42.9	0.95748	48.9	0.92558	54.9	0.89582
37.0	1.99107	43.0	0.95691	49.0	0.92516	55.0	0.89525
37.1	1.99050	43.1	0.95648	49.1	0.92459		
37.2	1.98994	43.2	0.95592	49.2	0.92403		
37.3	1.98937	43.3	0.95535	49.3	0.92360		
37.4	1.98880	43.4	0.95478	49.4	0.92303		
37.5	1.98809	43.5	0.95422	49.5	0.92261		
37.6	1.98753	43.6	0.95365	49.6	0.92204		
37.7	1.98696	43.7	0.95308	49.7	0.92147		
37.8	1.98639	43.8	0.95266	49.8	0.92105		
37.9	1.98583	43.9	0.95209	49.9	0.92048		
38.0	1.98526	44.0	0.95152	50.0	0.92006		
38.1	1.98469	44.1	0.95096	50.1	0.91949		
38.2	1.98412	44.2	0.95039	50.2	0.91892		
38.3	1.98356	44.3	0.94982	50.3	0.91850		
38.4	1.98285	44.4	0.94940	50.4	0.91793		
38.5	1.98228	44.5	0.94883	50.5	0.91751		
38.6	1.98172	44.6	0.94826	50.6	0.91694		
38.7	1.98115	44.7	0.94770	50.7	0.91651		
38.8	1.98058	44.8	0.994713	50.8	0.91595		
38.9	1.98001	44.9	0.94670	50.9	0.91552		
39.0	1.97745	45.0	0.94614	51.0	0.91495		
39.0	1.97945	45.0	0.94614	51.0	0.91495		
39.1	1.97888	45.1	0.94557	51.1	0.91439		
39.2	1.97831	45.2	0.94500	51.2	0.91396		
39.3	1.97775	45.3	0.94444	51.3	0.91339		
39.4	1.97718	45.4	0.94401	51.4	0.91297		
39.5	1.97661	45.5	0.94344	51.5	0.91240		
39.6	1.97605	45.6	0.94288	51.6	0.91198		
39.7	1.97548	45.7	0.94231	51.7	0.91141		
39.8	1.97491	45.8	0.94189	51.8	0.91099		
39.9	1.97434	45.9	0.94132	51.9	0.91042		

[W] Exhibit "D"

Sample Quality Bank Calculation
Eugene Island Pipeline System Common Stream Eugene Island Crude

<u>Shipper</u>	<u>Carrier</u>	<u>Barrels Received</u>	<u>Percent Sulfur</u>	<u>Api Gravity</u>	<u>From Exhibit "C" Ratio to 35.5° WT.</u>	<u>Percent Sulfur Times Ratio</u>	<u>From Exhibit "B" Sulfur Differential</u>	<u>From Exhibit "A" Gravity Differential</u>	<u>Barrels Received X Sulfur Differential</u>	<u>Barrels Received X Gravity Differential</u>
A	1	100.00	0.92	29.8	1.03544	0.95	1.950	4.220	195.00	422.00
A	2	150.00	0.36	38.6	0.98172	0.35	1.350	5.060	202.50	759.00
B	1	100.00	0.42	36.4	0.99461	0.42	1.420	5.020	142.00	502.00
B	1	200.00	.78	46.2	0.93976	0.73	1.730	4.920	346.00	984.00
C	2	50.00	0.66	32.8	1.01644	0.67	1.670	4.670	83.50	233.50
C	2	50.00	0.81	30.1	1.03345	0.84	1.840	4.265	92.00	213.25
TOTAL		650.00							1061.00	3113.75

Common stream weighted average GRAVITY value: $3113.75/650.00 = 4.7903846154$

Common stream weighted average SULFUR value: $1061.00/650.00 = 1.6323076923$

Shipper A; Carrier 1:

Weighted average GRAVITY value: $422.00/100 = 4.220$

Calculation: $(4.7903846154 - 4.220) \times 100 =$ \$57.039

Weighted average SULFUR value: $195.00/100 = 1.950$

Calculation: $(1.950 - 1.6323076923) \times 100 =$ \$31.769

Shipper A; Carrier 1 Total: \$88.81

Shipper A; Carrier 2:

Weighted average GRAVITY value: $759.00/150 = 5.060$

Calculation: $(4.7903846154 - 5.060) \times 150 =$ (\$40.442)

Weighted average SULFUR value: $202.50/150 = 1.350$

Calculation: $(1.350 - 1.6323076923) \times 150 =$ (\$42.346)

Shipper A; Carrier 2 Total: (\$82.79)

TOTAL, Shipper A pays the bank: \$ 6.02

Shipper B; Carrier 1:

Weighted average GRAVITY value: $1486.00/300 = 4.953$

Calculation: $(4.7903846154 - 4.953) \times 300 =$ (\$48.885)

Weighted average SULFUR value: $488.00/300 = 1.626667$

Calculation: $(1.626667 - 1.6323076923) \times 300 =$ (\$1.692)

Shipper B; Carrier 1 Total: (\$50.58)

TOTAL, Shipper B receives from the bank: (\$50.58)

Shipper C; Carrier 2:

Weighted average GRAVITY value: $446.75/100 = 4.4675$

Calculation: $(4.7903846154 - 4.4675) \times 100 =$ \$32.289

Weighted average SULFUR value: $175.50/100 = 1.7550$

Calculation: $(1.7550 - 1.6323076923) \times 100 =$ \$12.269

Shipper C; Carrier 2 Total: \$44.56

TOTAL, Shipper C pays the bank: \$44.56

NET \$0.00

Explanation of reference marks

[W] Change in wording only

[U] Unchanged rate

[N] New

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