

Chapter 200

Light Sweet Crude Oil Futures

200100. SCOPE OF CHAPTER

This chapter is limited in application to Light Sweet Crude Oil futures. The procedures for trading, clearing, delivery and settlement not specifically covered herein or in Chapter 7 shall be governed by the general rules of the Exchange.

The provisions of these rules shall apply to all light sweet crude oil bought or sold for future delivery on the Exchange with delivery in Cushing, Oklahoma.

The terms "seller" and "buyer" shall mean the seller of the physical product and the buyer of the physical product, respectively.

For purposes of these rules, unless otherwise specified, times referred to herein shall refer to and indicate New York time.

200101. CONTRACT SPECIFICATIONS

(ALL CONTRACT MONTHS PRIOR TO JANUARY 2019)

The contract grade for delivery on futures contracts shall be "crude oil" which shall mean a mixture of hydrocarbons that exists in a liquid phase in natural underground reservoirs and remains liquid at atmospheric pressure after passing through surface separating facilities. Crude oil as used herein refers to the direct liquid hydrocarbon production from oil wells, or a blend of such, in its natural form, not having been enhanced or altered in any manner or by any process that would result in misrepresentation of its true value for adaptability to refining as whole crude petroleum. For the purpose of this contract, condensates are excluded from the definition of crude petroleum.

Light sweet crude oil meeting all of the following specifications and designations shall be deliverable in satisfaction of futures contract delivery obligations under this rule:

200101.A. Domestic Crudes (Deliverable at Par)

1. Deliverable Crude Streams

West Texas Intermediate
Low Sweet Mix (Scurry Snyder)
New Mexican Sweet
North Texas Sweet
Oklahoma Sweet
South Texas Sweet

Blends of these crude streams are only deliverable if such blends constitute a pipeline's designated "common stream" shipment which meets the grade and quality specifications for domestic crude. Enterprise Products Partners L.P. (including any successor in such capacity, "Enterprise") and Enbridge Pipeline (Ozark) LLC's (including any successor in such capacity, "Enbridge") Common Domestic Sweet Streams that meet quality specifications in Sections 101.A.2.-7. of this rule are deliverable as Domestic Crude.

2. Sulfur: 0.42% or less by weight as determined by ASTM Standard D-4294, or its latest revision;

3. Gravity: Not less than 37 degrees American Petroleum Institute ("API"), nor more than 42 degrees API as determined by ASTM Standard D-287, or its latest revision;

4. Viscosity: Maximum 60 Saybolt Universal Seconds at 100 degrees Fahrenheit as measured by ASTM Standard D-445 and as calculated for Saybolt Seconds by ASTM Standard D-2161;

5. Reid vapor pressure: Less than 9.5 pounds per square inch at 100 degrees Fahrenheit, as determined by ASTM Standard D-5191-96, or its latest revision;

6. Basic Sediment, water and other impurities: Less than 1% as determined by ASTM D-96-88 or D-4007, or their latest revisions;

7. Pour Point: Not to exceed 50 degrees Fahrenheit as determined by ASTM Standard D-97.

200101.B. Foreign Crudes

1. Deliverable Crude Streams

U.K.: Brent Blend (for which the seller shall be paid a 30 cent per barrel discount below the last settlement price)

Nigeria: Bonny Light (for which the seller shall be paid a 15 cent per barrel premium above the last settlement price)

Nigeria: Qua Iboe (for which the seller shall be paid a 15 cent per barrel premium above the last settlement price)

Norway: Oseberg Blend (for which the seller shall be paid a 55 cent per barrel discount below the last settlement price)

Colombia: Cusiana (for which the seller shall be paid a 15 cent per barrel premium above the last settlement price)

2. Each foreign crude stream must meet the following requirements for gravity and sulfur, as determined by ASTM Standards referenced in Sections 101.A.2.-3. of this rule:

Foreign Crude Stream	Minimum Gravity	Maximum Sulfur
Brent Blend	36.4 API	0.46%
Bonny Light	33.8 API	0.30%
Qua Iboe	34.5 API	0.30%
Oseberg Blend	35.4 API	0.30%
Cusiana	34.9 API	0.40%

3. In the event that a Federal U.S. Superfund tax and/or Oil Spill tax is in effect at the time of delivery for foreign crude oil, the buyer shall reimburse the seller for all such taxes that have been or will be paid by the seller.

No blends of foreign crude oil streams or foreign and domestic crude oil streams shall be Deliverable.

200101. CONTRACT SPECIFICATIONS

(ALL CONTRACT MONTHS COMMENCING WITH JANUARY 2019 AND BEYOND)

The contract grade for delivery on futures contracts shall be "crude oil" which shall mean a mixture of hydrocarbons that exists in a liquid phase in natural underground reservoirs and remains liquid at atmospheric pressure after passing through surface separating facilities. Crude oil as used herein refers to the direct liquid hydrocarbon production from oil wells, or a blend of such, in its natural form, not having been enhanced or altered in any manner or by any process that would result in misrepresentation of its true value for adaptability to refining as whole crude petroleum. For the purpose of this contract, condensates are excluded from the definition of crude petroleum.

Light sweet crude oil meeting all of the following specifications and designations shall be deliverable in satisfaction of futures contract delivery obligations under this rule:

200101.A. Domestic Crudes

1. Deliverable Crude Streams

Blends of West Texas Intermediate ("WTI") type light sweet crude streams are only deliverable if such blends constitute a pipeline's designated "common stream" shipment which meets the grade and quality specifications for domestic crude. Enterprise Products Partners L.P. (including any successor in such capacity, "Enterprise") and Enbridge Pipeline (Ozark) LLC's (including any successor in such capacity, "Enbridge") Common Domestic Sweet ("DSW") Streams that meet quality specifications in Sections 101.A.2.- 12. of this rule are deliverable as Domestic Crude.

2. Sulfur: 0.42% or less by weight as determined by ASTM Standard D-4294, or its latest revision;

3. Gravity: Not less than 37 degrees American Petroleum Institute ("API"), nor more than 42 degrees API as determined by ASTM Standard D-287, or its latest revision;

4. Viscosity: Maximum 60 Saybolt Universal Seconds at 100 degrees Fahrenheit as measured by ASTM Standard D-445 and as calculated for Saybolt Seconds by ASTM Standard D-2161;

5. Reid vapor pressure: Less than 9.5 pounds per square inch at 100 degrees Fahrenheit, as determined by ASTM Standard D-5191-96, or its latest revision;

6. Basic Sediment, water and other impurities: Less than 1% as determined by ASTM D-96-88 or D-4007, or their latest revisions;

7. Pour Point: Not to exceed 50 degrees Fahrenheit as determined by ASTM Standard D-97;

8. Micro Method Carbon Residue: 2.40% or less by mass; as determined by ASTM Standard D4530-15, or its latest revision;

9. Total Acid Number (TAN): 0.28 mg KOH/g or less as determined by the first inflection point; using ASTM Standard D664-11a (2017), or its latest revision;

10. Nickel: 8 parts per million (ppm) or less by mass; as determined by ASTM Standard D5708-15, Test Method B, or its latest revision;

11. Vanadium: 15 ppm or less by mass; as determined by ASTM Standard D5708-15, Test Method B, or its latest revision;

12. High-Temperature Simulated Distillation (HTSD) as determined by ASTM Standard D7169-16, or its latest revision, as follows:

(a) Light Ends <220°F by HTSD: Not more than 19% by mass;

(b) 50% Point by HTSD: 470°F- 570°F;

(c) Vacuum Residuum >1020°F by HTSD: Not more than 16% by mass.

200101.B. Foreign Crudes

1. Deliverable Crude Streams

U.K.: Brent Blend (for which the seller shall be paid a 30 cent per barrel discount below the last settlement price)

Nigeria: Bonny Light (for which the seller shall be paid a 15 cent per barrel premium above the last settlement price)

Nigeria: Qua Iboe (for which the seller shall be paid a 15 cent per barrel premium above the last settlement price)

Norway: Oseberg Blend (for which the seller shall be paid a 55 cent per barrel discount below the last settlement price)

Colombia: Cusiana (for which the seller shall be paid a 15 cent per barrel premium above the last settlement price)

2. Each foreign crude stream must meet the following requirements for gravity and sulfur, as determined by ASTM Standards referenced in Sections 101.A.2.-3. of this rule:

Foreign Crude Stream	Minimum Gravity	Maximum Sulfur
Brent Blend	36.4 API	0.46%
Bonny Light	33.8 API	0.30%
Qua Iboe	34.5 API	0.30%
Oseberg Blend	35.4 API	0.30%
Cusiana	34.9 API	0.40%

3. In the event that a Federal U.S. Superfund tax and/or Oil Spill tax is in effect at the time of delivery for foreign crude oil, the buyer shall reimburse the seller for all such taxes that have been or will be paid by the seller.

No blends of foreign crude oil streams or foreign and domestic crude oil streams shall be Deliverable.

200102. TRADING SPECIFICATIONS

Trading in Light Sweet Crude Oil futures is regularly conducted in all calendar months. The number of months open for trading at a given time shall be determined by the Exchange.

200102.A. Trading Schedule

The hours for trading shall be determined by the Exchange.

200102.B. Trading Unit

The unit of trading shall be 1,000 U.S. barrels (42,000 U.S. gallons). Except for delivery made by book-out, in-tank transfer, or in-line transfer pursuant to Section 104, a tolerance of two percent (2%) above or below (1,020 U.S. Barrels or 980 U.S. Barrels) the contract unit is permitted. All volumes shall be determined at 60°F.

200102.C. Price Increments

The minimum price fluctuation shall be \$0.01 (1 cent) per barrel. Prices shall be quoted in dollars and cents per barrel.

200102.D. Special Price Fluctuation Limits

At the commencement of each trading day, the contract shall be subject to special fluctuation limits as set forth in Rule 589 and in the Special Price Fluctuation Limits Table in the Interpretations & Special Notices Section of Chapter 5

200102.E. Position Limits, Exemptions, Position Accountability and Reportable Levels

The applicable position limits and/or accountability levels, in addition to the reportable levels, are set forth in the Position Limit, Position Accountability and Reportable Level Table in the Interpretations & Special Notices Section of Chapter 5.

A Person seeking an exemption from position limits for bona fide commercial purposes shall apply to the Market Regulation Department on forms provided by the Exchange, and the Market Regulation Department may grant qualified exemptions in its sole discretion.

Refer to Rule 559 for requirements concerning the aggregation of positions and allowable exemptions from the specified position limits.

200102.F. Termination of Trading

No trades in Light Sweet Crude Oil futures in the expiring contract month shall be made after the third business day prior to the twenty-fifth calendar day of the month preceding the delivery month for such expiring contract. If the twenty-fifth calendar day of the month is a non-business day, trading shall cease on the third business day prior to the last business day preceding the twenty-fifth calendar day of the month preceding the delivery month. In the event that the official Exchange holiday schedule subsequent to the listing of a Light Sweet Crude Oil futures, the originally listed expiration date shall remain in effect. In the event that the originally listed expiration date is declared a holiday, expiration will move to the business day immediately prior. Any contracts remaining open after the last day of trading must be either:

(a) Settled by delivery which shall take place no earlier than the first calendar day of the delivery month and shall be completed no later than the last calendar day of the delivery month; or

(b) Liquidated by means of a bona fide Exchange for Related Position ("EFRP") pursuant to Rule 538. An EFRP is permitted in an expired futures contract at any time before 2:00 p.m. on the first business day following termination of trading in the expired futures contract. An EFRP which establishes a futures position for either the buyer or the seller in an expired futures contract shall not be permitted following the termination of trading of an expired futures contract.

200103. INSPECTION

Inspection of product shall be conducted in accordance with pipeline practices.

A buyer or seller may appoint an inspection company to inspect the quality of product delivered. The buyer or seller who requests inspection shall notify the seller or buyer that such inspection will take place. The buyer or seller who requests inspection shall pay the costs of the inspection.

200104. DELIVERY

The seller shall provide crude oil which is free from all liens, encumbrances, unpaid taxes, fees and other charges.

Delivery shall be made free-on-board ("F.O.B.") at any pipeline or storage facility in Cushing, Oklahoma with pipeline access to Enterprise, Cushing storage or Enbridge, Cushing storage. Delivery shall be made in accordance with all applicable Federal executive orders and all applicable Federal, State and local laws and regulations.

For the purposes of this rule, the term F.O.B. shall mean a delivery in which the seller: (1) provides light sweet crude oil to the point of connection between seller's incoming and buyer's outgoing pipeline or storage facility; (2) in the event of the buyer's election to take delivery by interfacility transfer ("pumpover") to either Enterprise, Cushing or Enbridge, Cushing, from seller's delivery facility, bears the lesser of the pumpover charge applicable for pumpover from seller's delivery facility to Enterprise or Enbridge; and (3) retains title to, and bears the risk of, loss for the product to the point of connection between the buyer's outgoing and the seller's incoming pipeline or storage facility.

At buyer's option, such delivery shall be made by any of the following methods: (1) by interfacility transfer ("pumpover") into a designated pipeline or storage facility with access to seller's incoming pipeline or storage facility; (2) by in-line (or in-system) transfer, or book-out of title to the buyer; or (3) if the seller agrees to such transfer and if the facility used by the seller allows for such transfer, without physical movement of product, by in-tank transfer of title to the buyer.

200105. DELIVERY PROCEDURES**200105.A. Responsibilities of Clearing Members Having Open Long Positions**

1. Notice of Intention to Accept

Exchange clearing members having open long positions shall provide the Clearing House with a Notice of Intention to Accept delivery by 3:00 p.m. on the first business day after the final day of trading. The Notice of Intention to Accept must be in the form prescribed by the Exchange, and must be properly completed and indicate the name(s) of the buyer(s), the number of contracts to be accepted, the buyer(s) preference of light sweet crude oil by origin (foreign or domestic) and any additional information as may be required by the Exchange. The indication of an origin preference does not guarantee that the buyer(s) will receive product from that origin.

2. Delivery Instructions

On the first business day following Notice Day, the buyer's clearing member shall provide the seller's clearing member and the Exchange with properly completed Delivery Instructions in the form prescribed by the Exchange. Such Delivery Instructions must include the following information:

- a. Name of seller(s);
- b. Tender number;
- c. Name of the seller(s) designated crude stream (either a specific foreign crude oil stream(s) or domestic crude oil) specified in the Notice of Intention to Deliver;
- d. Name of incoming pipeline or storage facility specified in the Notice of Intention to Deliver;
- e. Number of contracts;
- f. Method of delivery (which must conform to the normal capabilities of the facility named in the Notice of Intention to Deliver with respect to the manner of delivery and the quantity to be delivered);
- g. Name of the outgoing pipeline or storage facility with access to the incoming pipeline or storage facility designated in the Notice of Intention to Deliver (buyer(s) must confirm access with the incoming pipeline or storage facility designated in the Notice of Intention to Deliver);
- h. For inter-facility transfers, name of receiving facility with access to the facility designated in the Notice of Intention to Deliver; and
- i. Such additional information as may be required by the Exchange.

200105.B. Responsibilities of Clearing Members Having Open Short Positions

1. Notice of Intention to Deliver

Exchange clearing members having open short positions shall provide the Clearing House with a Notice of Intention to Deliver by 3:00 p.m. on the first business day after the final day of trading. The Notice of Intention to Deliver must be in the form prescribed by the Exchange, and must be properly completed, indicate the name(s) of the seller(s), the number of contracts to be delivered and whether the designated crude stream shall be domestic or a specific foreign crude oil stream. The seller(s) shall designate a qualified pipeline or storage facility, and shall also provide any additional information as may be required by the Exchange.

2. Scheduling Notice

As soon as possible following determination of scheduling, but no later than the last business day of the month preceding the delivery month, the seller's clearing member shall give the buyer's clearing member and the Exchange a Scheduling Notice in the form prescribed by the Exchange which must state the delivery time.

200105.C. Amendment of Delivery Instructions

Notwithstanding the foregoing, at any time prior to the twenty-fifth calendar day of the month preceding the delivery month (if the twenty-fifth calendar day of the month is a non-business day, then at any time prior to the last business day preceding the twenty-fifth calendar day of the month preceding the delivery month), the buyer(s) and the seller(s) may, by mutual agreement, elect to change the delivery terms with respect to the method of delivery, the

timing of delivery, the type and/or quality of crude oil to be delivered and the designation of the buyer(s) and/or seller(s) delivery facility.

Any such changes must be made on the form prescribed by the Exchange. Any changes made with respect to the foregoing must be made in conformance with all contract requirements and specifications.

200105.D. Final Settlement Price

The final settlement price shall be the basis for delivery.

200105.E. Notice Day

The Clearing House shall allocate Delivery Notices and Notices of Intention to Accept by matching size of positions and considering the type of light sweet crude oil by origin to the extent possible. On the morning of the next business day, the Clearing House shall provide copies of the notices to the respective clearing members. The day on which the notices are provided to the clearing members shall be referred to as the Notice Day. The Notice Day shall be the second business day after the final day of trading.

200105.F. Non-Transferable

The clearing member who receives a Delivery Notice or a Notice of Intention to Accept from the Clearing House shall be deemed to have agreed to accept or deliver product. Delivery Notices and Notices of Intention to Accept are not transferable.

200105.G. Allocation of Foreign Crude Oil

Buyers' clearing members and sellers' clearing members in foreign crude oil deliveries will be matched as follows:

1. Foreign crude oil will be assigned first to the buyer(s) indicating a preference for foreign crude oil in their Notice(s) of Intention to Accept. For such buyer(s), foreign crude oil shall be allocated in order beginning with the buyer having the largest position.
2. If the quantity of foreign crude oil exceeds the quantity of foreign crude oil requested by buyers in their Notices of Intention to Accept, the balance of foreign crude oil remaining will be assigned to buyers.

200106. TIMING OF DELIVERY

Delivery shall take place no earlier than the first calendar day of the delivery month and shall be completed no later than the last calendar day of the delivery month.

It is the obligation of the seller's clearing member to ensure that the seller's crude oil receipts, including each specific foreign crude oil stream, if applicable, are available to begin flowing ratably in Cushing, Oklahoma by the first day of the delivery month, in accordance with generally accepted pipeline scheduling practices.

Transfer of Title - The seller shall give the buyer a pipeline ticket, any other quantitative certificates and all appropriate documents upon receipt of payment.

The seller shall provide preliminary confirmation of title transfer at the time of delivery in electronic format or other appropriate form of documentation.

200107. DELIVERY MARGIN AND PAYMENT

200107.A. Definitions

For the purposes of this Section 107,

"Payment Date" shall mean the twentieth day of the month following the delivery month or if such date is a Saturday or an Exchange or New York bank holiday other than Monday, payment shall be made on the preceding day which is not an Exchange or New York bank holiday. If such day is a Sunday or an Exchange or New York bank holiday which occurs on a Monday, payment shall be made on the next day which is not an Exchange or New York bank holiday.

200107.B. Margin

On the third business day following the last day of trading, the clearing member shall obtain from any buyer margin equal to the full value of the product to be delivered, not including any adjustment for discounts and premiums accounted for in Section 107.C. and the clearing member shall obtain from any seller margin in an amount fixed, from time to time, by the Exchange.

The buyer's clearing member and the seller's clearing member shall deposit with the Clearing House margins in such amounts and in such form as required by the Exchange. Such margins shall be returned on the business day following notification to the Exchange that delivery and payment have been completed.

200107.C. Payment

No later than 12:00 p.m. on the third business day prior to the Payment Date, the seller shall advise its clearing member of the name and address of the bank, and the name of the account to which payment shall be made. The clearing member shall advise the opposite clearing member who shall advise the buyer. On the Payment Date, the buyer shall pay the short contract value by federal funds wire transfer to the account of the seller at the bank nominated by the seller. The term "contract value" shall mean the amount equal to the settlement price on the last day of trading in a futures contract times one thousand (1,000) times the number of contracts to be delivered, plus or minus any discount or premium as set forth in Section 101.B.1.

No later than 12:00 p.m. on the Payment Date, the buyer shall advise its clearing member of the federal funds wire transfer number and the name of the sending bank. The clearing member representing the buyer shall advise the opposite clearing member who shall similarly advise the seller.

No later than the business day following the Payment Date, the seller shall advise its clearing member of receipt of payment, who shall deliver a notice of payment to the clearing member representing the buyer and the Clearing House. Upon receipt of such notice, the delivery shall be complete.

Any payment made on the required Payment Date shall be based on volume actually delivered, determined at 60°F. If quantitative results are unavailable prior to the time established in the rules for payment of the product, a pro-forma payment based on 1,000 U.S. barrels per contract shall be made. Similarly, if the quality inspection is unavailable, a pro-forma payment based on par qualities shall be made. Payment adjustments based on the actual quality or quantity transferred shall be completed by 12:00 p.m. on the fifth business day after initial payment.

In the event that the seller's clearing member receives notification that payment has not been received, the seller's clearing member shall advise the Exchange in writing. On the following business day, unless the buyer or the buyer's clearing member has advised the Exchange in writing that the seller failed to deliver, the Exchange shall liquidate the margins held and, when the liquidation is complete, shall pay the seller's clearing member which shall pay its seller. If the buyer or the buyer's clearing member has advised the Exchange in writing that the seller failed to deliver, the matter shall be deemed a failure to deliver pursuant to Rule 714.

200108. VALIDITY OF DOCUMENTS

The Exchange makes no representation respecting the authenticity, validity or accuracy of any inspection certificate, Notice of Intention to Deliver, Notice of Intention to Accept, check or any document or instrument delivered pursuant to these rules.

200109. ALTERNATIVE DELIVERY PROCEDURES

A seller and buyer matched by the Exchange under Section 105.E. may agree to make and take delivery under terms or conditions which differ from the terms and conditions prescribed by this Chapter. In such a case, clearing members shall execute an Alternative Notice of Intention to Deliver on the form prescribed by the Exchange and shall deliver a completed and executed copy of such notice to the Exchange. The delivery of an executed Alternative Notice of Intention to Deliver to the Exchange shall release the clearing members and the Exchange from their respective obligations under the rules of this Chapter and any other rules regarding physical delivery.

In executing such notice, clearing members shall indemnify the Exchange against any liability, cost or expense the Exchange may incur for any reason as a result of the execution, delivery, or performance of such contracts or such agreement, or any breach thereof or default thereunder. Upon receipt of an executed Alternative Notice of Intention to Deliver, the Exchange will return to the clearing members all margin monies held for the account of each with respect to the contracts involved.