

FACILITY PERMIT TO OPERATE TESORO LOGISTICS OPERATIONS LLC, LONG BEACH

PERMIT TO CONSTRUCT/OPERATE

Permit No. TBD
A/N 572674

Equipment Description:

Modification of:

Storage tank no. 55001, fixed roof, 100'-0" dia. X 40'-0" H., 55,000 barrels capacity,

By the addition of:

Two mixers, side mounted, each with single mechanical seals and 40 h.p. motors.

Conditions:

- 1) Construction and operation of this equipment shall be conducted in accordance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below.
[Rule 204]
- 2) This equipment shall be properly maintained and kept in good operating condition at all times.
[Rule 204]
- 3) The operator shall not use this equipment with materials having a true vapor pressure of 0.5 psia or greater under actual operating conditions.
[Rule 463]
- 4) The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):
Type of liquid stored, throughput, and its true vapor pressure under actual storage conditions
[Rule 463]
- 5) The operator shall limit the throughput to no more than 53,157 Barrel(s) in any one calendar month.

The operator shall use an automatic tank level gauge (ATLG) to continuously measure the liquid surface level movement. Tank liquid surface level data shall be recorded hourly and these hourly levels will be used to calculate level changes. The hourly level readings shall be used to calculate the total one-way liquid movement in feet, on a monthly basis.

The operator shall calculate monthly throughput by the following equation: $5.9 \times D \times D \times L$, where D is the diameter of the tank in feet and L is the total one-way liquid travel in feet per month as determined by the hourly level readings.

The ATLG shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLG differs from the manual tank level measurement by more than 1/4 inch, the ATLG shall be repaired. While the ATLG is being repaired, throughput shall be determined by hourly tank level data averaged for the previous 30 days, prior to the discovery of the discrepancy.

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In the case of a failure or shutdown of the measuring device and/or recorder, excluding routine maintenance, the requirements of this condition shall not apply for a period not to exceed 24 consecutive hours from the time of its discovery. During the period of failure or shutdown, throughput shall be determined by hourly liquid level data averaged for the previous 30 calendar days.

In the case of routine maintenance, the requirements of this condition shall not apply for a period not to exceed 4 hours in any calendar day. During the period of routine maintenance, throughput shall be determined by hourly tank level data averaged for the previous 30 calendar days, unless it is documented that the liquid level did not change between the beginning and end of the period of routine maintenance.

The operator shall keep monthly records on the throughput and the Reid vapor pressure for each commodity stored in the equipment.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

[Rule 1303(b)(2) -Offset]

Periodic Monitoring: None

Emissions and Requirements:

6) This equipment is subject to the applicable requirements of the following rules and regulations:

VOC:	Rule 463
VOC:	Rule 1149

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Permit No. TBD
A/N 569166

Equipment Description:

Internal combustion engine, emergency electrical generator, diesel, Cummins, model QSB5-G3 NR3, 4 degree timing retard, turbocharged and aftercooled, 145 BHP.

Conditions:

- 1) Construction and Operation of this equipment shall be conducted in accordance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below.
[Rule 204]
- 2) This equipment shall be properly maintained and kept in good operating condition at all times.
[Rule 204]
- 3) The operator shall operate this engine in compliance with all applicable requirements of SCAQMD rules 431.2 and 1470.
[Rule 431.2, Rule 1470]
- 4) This engine shall not be operated more than 200 hours in any one year, which includes no more than 50 hours in any one year for maintenance and testing, and no more than 4.2 HOURS in any one month for maintenance and testing.
[Rule 1470, Rule 1304(a)(4) Modeling and offset exemption]
- 5) Operating the engine beyond the 50 hours per year allotted for engine maintenance and testing purposes shall be allowed only in the event of a loss of grid power or up to 30 minutes prior to a rotating outage, provided that the utility distribution company has ordered rotating outages in the control area where the engine is located or has indicated that it expects to issue such an order at a certain time, and the engine is located in a utility service block that is subject to the rotating outage, engine operation shall be terminated immediately after the utility distribution company advises that a rotating outage is no longer imminent or in effect.
[Rule 1470, Rule 1304(a)(4) Modeling and offset exemption]
- 6) An operational non-resettable totalizing time meter shall be installed and maintained to indicate the engine elapsed operating time.
[Rule 1470, Rule 1304(a)(4) Modeling and offset exemption]
- 7) An engine operating log shall be kept and maintained, documenting the total time the engine is operated each month and specific reason for operation as:
 - A. Emergency use,
 - B. Maintenance and testing, or
 - C. Other (describe the reason for operating).

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In addition, each time the engine is manually started, the log shall include the date of operation, the specific reason for operation, and the totalizing hour meter reading (in hours and tenths or hours) at the beginning and end of operation.

[Rule 1470, Rule 1304(a)(4) Modeling and offset exemption]

- 8) On or before January 15TH of each year, the operator shall record in the engine operating log the following:

- A. The total hours of operation for the previous calendar year, and
- B. The total hours of engine operation for maintenance and testing for the previous calendar year.

The engine operating log shall be retained by the operator for a minimum of three calendar years and shall be made available to the executive officer or representative upon request.

[Rule 1470, Rule 1304(a)(4) Modeling and offset exemption]

- 9) Emissions from this engine shall not exceed the following limits (in grams/bhp-hour):

NMHC + NOX	3.0
CO	2.6
PM (PM10)	0.15

[RULE 1470]

- 10) This equipment shall be operated in compliance with all applicable requirement of 40 CFR Part 63 Subpart ZZZZ – National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, and 40 CFR Part 60 Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
[40 CFR Part 63 Subpart ZZZZ, 40 CFR Part 60 Subpart IIII]

- 11) The operator shall operate and maintain the stationary engine according to the manufacturer's written emission-related instructions (or procedures developed by the operator that are approved by the engine manufacturer), change only those emission-related settings that are permitted by the manufacturer, and meet the requirements of 40 CFR 89, 94 and/or 1068, as they apply.
[40 CFR Part 60.4211 - Subpart IIII]

- 12) The operator shall comply with the emission standards specified in 40 CFR 60.4205(b) by purchasing an engine certified to the emission standards in 40 CFR 60.4205(b), as applicable, for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's emission related specifications.
[40 CFR Part 60.4211 - Subpart IIII]

Emissions and Requirements:

- 13) This equipment is subject to the applicable requirements of the following rules and regulations:

PM	Rule 1470
PM:	Rule 404, See appendix B for emission limits
NMHC + NOx:	40 CFR PART 63 Subpart ZZZZ
NMHC + NOx:	40 CFR PART 60 Subpart IIII