



**FACILITY PERMIT TO OPERATE  
TESORO REFINING AND MARKETING CO.**

**SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type / Monitoring Unit	Emissions and Requirements	Conditions
<b>PROCESS 15: STORAGE TANKS</b>					P13.1
<b>SYSTEM 1 : FIXED ROOF TANKS</b>					S13.7
STORAGE TANK, FIXED ROOF, TANK 80064, GAS OIL, DC CHARGE, BUNKER OIL, CRUDE OIL, <b>TRANSMIX GASOLINE</b> , WITH A MIXER AND INTERNAL HEATING COILS, 76500 BBL; DIAMETER:117FT ; HEIGHT:41FT 10 IN  A/N: 470109, <u>532207</u>	D606			BENZENE(10) [40CFR61 Subpart FF,#1,12-4-2003] VOC: 500 PPM <sub>v</sub> (8) [40CFR 60 Subpart Kb, 10-15-2003]	B22.11, <b>B22.XX</b> , C1.37, D90.18, E336.2, K67.8

- |  |  |
|--|--|
| * (1) Denotes RECLAIM emission factor                  | (2) Denotes RECLAIM emission rate                          |
| (3) Denotes RECLAIM concentration limit                | (4) Denotes BACT emission limit                            |
| (5)(5A)(5B) Denotes command and control emission limit | (6) Denotes air toxic control rule limit                   |
| (7) Denotes NSR applicability limit                    | (8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.) |
| (9) See App B for Emission Limits                      | (10) See Section J for NESHAP/MACT requirements            |
- \*\* Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



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**RECOMMENDATIONS**

The District considers this facility to be in compliance with all the permit requirements, and recommends the issuance of the subject permit to construct/operate subject to the following conditions:

**PROCESS CONDITION**

**P13.1** All devices under this process are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
Benzene	40CFR61, Subpart	FF

[40CFR61 Subpart FF, 12-4-2003]

[Processes subject to this condition: 1, 2, 3, 4, 5, 6, 8, 9, 11, 12, 15]

**SYSTEM CONDITIONS**

**S13. 7** All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	463
VOC	District Rule	1178
VOC	District Rule	1149

[RULE 1149, 7-14-1995; RULE 1178, 4-7-2006; RULE 463, 5-6-2005]

[Systems subject to this condition : Process 15, System 1 , 2 , 5]



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#### B. Material/Fuel Type Limits

**B22.11** The operator shall not use this equipment with materials having a(n) true vapor pressure of 6.6 psia or greater under actual operating conditions.

This true vapor pressure shall only apply when storing Gas Oil, DC Charger, Bunker Oil, or Crude oil.

[RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition : D606]

**B22.XX** The operator shall not use this equipment with materials having a(n) true vapor pressure of 4.7 psia or greater under actual operating conditions.

This true vapor pressure shall only apply when storing Transmix Gasoline

[RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition : D606]

#### C. Throughput or Operating Parameter Limits

**C1.37** The operator shall limit the throughput to no more than 900,000 barrel(s) in any one calendar month.

**This limit shall not apply when this tank is used in storing Transmix Gasoline. The total throughput shall be limited to 360,000 barrels in any one calendar month in which Transmix Gasoline is stored for any length of time.**

The operator shall measure and record the liquid volume of the tank using an automatic tank level gauging system(ATLGS). The ATLGS shall measure the tank liquid level and calculate the liquid volume using the tank strapping tables. The volume measurements shall be recorded electronically once every 15 minutes.

The operator shall calculate the throughput in barrels using the total one-way (increasing) volume movement on a monthly basis. The calculation will be based on the sum of the increasing volume readings.

The ATLGS installed shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLGS differs from the manual tank level



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measurement by more than 1.0 inch or 0.8%, whichever is greater, the ATLGS shall be repaired and back to service within 10 days.

In the event of a failure or routine maintenance of the ATLGS, the ATLGS shall be repaired and put back into service within 10 days of the time that the ATLGS failed or was removed from service for maintenance.

While the ATLGS is being repaired or maintained, the throughput shall be determined by the hourly tank level data averaged from the previous 30 days prior to time that the ATLGS went out of service.

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

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D606]

#### D. Monitoring/Testing Requirements

**D90.18** The operator shall periodically monitor the vapor pressure of the material stored in this storage tank according to the following specifications:

The operator shall determine the true vapor pressure by one of the following methods: 1) sample and test the materials stored, 2) derive the vapor pressure using engineering calculations, or 3) maintain on file a copy of the Material Safety Data Sheet (MSDS) of the material stored.

Records of material stored, and their MSDS if applicable, shall be retained for a period of five years and made available to the Executive Officer upon request.

[**RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997**]

[Devices subject to this condition : D543, D547, D549, D550, D551, D557, D561, D564, D568, D582, D583, D586, D587, D588, D595, D602, D605, D606, D607, D608, D609, D632, D635, D639, D647, D654, D657, D982, D1078, D1555]

#### E. Equipment Operation/Construction Requirements



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The operator shall comply with the terms and conditions set forth below:

**E 336.2** The operator shall vent the vent gases from this equipment as follows:

All vent gases under normal operating shall be directed to a vapor recovery system consisting of compressors D641, D642, D643 AND OR D644, which can be operated independently to maintain a system vacuum that efficiency collects all vented gases.

This equipment shall not operated unless the vapor recovery system is in full use and has a valid permit to receive vent gases from this equipment.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D458, D459, D460, D461, D462, D466, D467, D520,

D521, D526, D531, D533, D534, D544, D546, D547, D548, D550, D551, D552, D553,

D554, D555, D556, D557, D558, D559, D560, D561, D562, D563, D564, D565, D566,

D567, D569, D571, D572, D573, D574, D575, D576, D577, D578, D579, D589, D584,

D592, D593, D594, D595, D596, D597, D598, D599, D600, D602, D603, D604,

D606, D607, D608, D611, D613, D603, D615, D616, D617, D619, D620, D622,

D623, D624, D625, D626, D627, D628, D631, D633, D634, D636, D637, D639,

D640, D807, D808, D809, D982, D998, D1001, D1002, D1500, D1670, D1671,

D1673, D1712]

### Record Keeping/Reporting

**K67.8** The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Throughput in barrels per calendar month

Vapor pressure of stored liquid in psia



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The operator shall comply with the terms and conditions set forth below:

Other records that may be required to comply with the applicable requirements  
District Rules 463 and 1178

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 463, 5-6-2005]**

[Devices subject to this condition : D557, D561, D564, D595, D606, D607, D982]

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