



**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 1-7: INTERNAL FLOATING ROOF TANKS</b>					S13.7
STORAGE TANK, <del>FIXED ROOF</del> INTERNAL FLOATING ROOF, NO. 80072, WITH INTERNAL HEATING COILS AND A MIXER, 79965 BBL; DIAMETER: 117 FT ; HEIGHT:41 FT 10 IN  FLOATING ROOF, PONTOON, WELDED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, RIM MOUNTED, MULTIPLE WIPERS TYPE  GUIDEPOLE, SLOTTED, WITH GASKETED SLIDING COVER WITH POLE WIPER, AND A POLE FLOAT WIPER A/N: 470117 515442	D614			<b>HAP: (10) [40CFR 63 Subpart CC, #3A, 6-23-2003]</b> <b>BENZENE: (10) [40CFR 61 Subpart FF_01, 12-4-2003];</b> <b>VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]</b> <b>[40CFR 60 Subpart Kb, 10-15-2003]</b>	B59.8, C1.54, C6.4, H23.1, K67.15, K171.3, K67.2, E336.2,
STORAGE TANK, FIXED ROOF INTERNAL FLOATING ROOF, TANK 80075, 79812 BBL; DIAMETER: 117 FT; HEIGHT:41 FT 10 IN  FLOATING ROOF, PONTOON, WELDED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, RIM MOUNTED, MULTIPLE WIPERS TYPE  GUIDEPOLE, SLOTTED, WITH GASKETED SLIDING COVER WITH POLE WIPER, AND A POLE FLOAT WIPER A/N: 470120 509881	D617			<b>HAP: (10) [40CFR 63 Subpart CC, #3A, 6-23-2003]</b> <b>BENZENE: (10) [40CFR 61 Subpart FF 01, 12-4-2003];</b> <b>VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]</b> <b>[40CFR 60 Subpart Kb, 10-15-2003]</b>	B59.4, C1.54, C6.4, H23.1, K67.15, K171.3, K67.2, E336.2

**PROCESS CONDITIONS**

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

[40CFR 61 Subpart FF, 11-12-2002]

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



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**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, 12-21-2001; RULE 463, 3-11-1994; RULE 463, 5-6-2005]

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

**DEVICE CONDITIONS**

**B. Material/Fuel Type Limits**

**B59.4** The operator shall only use the following material(s) in this device :

Crude Oil, Gas Oil, Diesel Oil

[RULE 1303, 5-10-1996]

[Devices subject to this condition : D613, **D617**, **D627**, D618, D621, ]

**B59.8** The operator shall only use the following material(s) in this device :

Heavy Crude Oil

[RULE 1303, 5-10-1996]

[Devices subject to this condition : **D614**]



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#### C. Throughput or Operating Parameter Limits

C1.54 The operator shall limit the throughput to no more than 500,000 barrel(s) in any one calendar month.

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 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 : D614, D617]



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

**C6.4** The operator shall use this equipment in such a manner that the hydrocarbon concentration\_ being monitored, as indicated below, does not exceed 30 percent of the lower explosive limit.

The operator shall use an explosimeter or equivalent device to monitor the hydrocarbon concentration in the vapor space above the floating roof device on a semi-annual basis.

[RULE 1178, 12-21-2001; RULE 463, 3-11-1994; RULE 463, 5-6-2005]

[Devices subject to this condition: D610, D614, D617, D627, D618, D621, D630 ]

**H. Applicable Rules**

**H23.1** This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	40CFR60, SUBPART	Kb

[**40CFR 60 Subpart Kb, 10-15-2003**]

[Devices subject to this condition : D469, D524, D598, D610, D613, D614, D617, D627, D630, D648, D659, D982, D1001, D1002, D1078]

**E. Equipment Operation/Construction Requirements**

**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,



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

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, ~~D614~~, 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]

### K. Record Keeping/Reporting

**K67.2** The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Throughput and vapor pressure of stored liquid.

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

[Devices subject to this condition : D520, D521, D531, D533, D534, D543, D544, D546, D548, D549, D554, D555, D556, D558, D559, D560, D562, D563, D565, D566, D567, D568, D569, D571, D572, D573, D575, D576, D577, D578, D579, D581, D582, D583, D584, D585, D586, D587, D588, D591, D592, D593, D594, D596, D597, D598, D599, D603, D604, D605, D609, D611, D612, D613, ~~D614~~, D615, D616, ~~D617~~, D618, D619, D620, D621, D622, D623, D625, D626, D627, D628, D629, D631, D632, D633, D634, D635, D636, D637, D640, D647, D648, D649, D650, D651, D652, D653, D654, D655, D656, D658, D660, D1001, D1002, D1095, D1500, D1555]

**K67.15** The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

- Throughput and vapor pressure of stored liquid.
- Hydrocarbon concentration measurements done in the vapor space above the floating roof of the tank.
- Other records that may be required to comply with the applicable requirements of District Rules 463, 1149 and 1178.

[**RULE 1178, 4-7-2006; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 463, 5-6-2005**]



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[Devices subject to this condition : D613, D614, D617, D627, D618, D621]

**K171.3** The operator shall provide to the District the following items:

Final drawings and/or specifications of the internal floating roof to be installed/constructed shall be submitted to the District within 30 days after its construction

[RULE 1178, 12-21-2001]

[Devices subject to this condition: D610, D613, D614, D617, D627, D618, D621, D630]

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