



FACILITY PERMIT TO OPERATE TESORO REFINING AND MARKETING CO.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE
The operator shall comply with the terms and conditions set forth below:

EQUIPMENT DESCRIPTION

Additions are shown as underlined and deletions are shown as ~~strikeouts~~.

Section H: Permit to Construct and Temporary Permit to Operate

Equipment	ID No.	Connecte d To	RECLAIM Source Type / Monitoring Unit	Emissions and Requirements	Conditions
Process 9: ALKYLATION					P13.1
System 1: ALKYLATION UNIT					S13.4, S15.2, S15.5, S31.1, <u>S31.4</u>
FILTER, SALT, V-579, PROPANE, LENGTH: 25 FT 4 IN; DIAMETER: 5 FT A/N: 470290 <u>551269</u>	D390				
VESSEL, SALT DRIER, V-582, LENGTH: 15 FT 8 IN; DIAMETER: 4 FT A/N: 470290 <u>551269</u>	D391				
VESSEL, V-1407, BUTYLENE COALESCER, LENGTH: 13 FT 2 IN; DIAMETER: 3 FT 6 IN A/N: 470290 <u>551269</u>	D392				
VESSEL, COALESCER, V-1408, OLEFIN, LENGTH: 10 FT 5 IN; DIAMETER: 1 FT 8 IN A/N: 470290 <u>551269</u>	D393				
SETTLING TANK, 1ST STAGE, V-1409, ACID, LENGTH: 50 FT ; DIAMETER: 12 FT 6 IN A/N: 470290 <u>551269</u>	D394				
SETTLING TANK, 2ND STAGE, V-1410, ACID, LENGTH: 50 FT ; DIAMETER: 12 FT 6 IN A/N: 470290 <u>551269</u>	D395				
TANK, FLASH, V-1411, REACTOR EFFLUENT, LENGTH: 30 FT 6 IN; DIAMETER: 8 FT 6 IN A/N: 470290 <u>551269</u>	D396				
REFRIGERANT, LENGTH: 24 FT ; DIAMETER: 6 FT 6 IN A/N: 470290 <u>551269</u>	D397				
ACCUMULATOR, V-1416, REFRIGERANT, LENGTH: 18 FT ; DIAMETER: 5 FT A/N: 470290 <u>551269</u>	D399				
ACCUMULATOR, V-1953, DEPROPANIZER FEED, LENGTH: 20 FT ; DIAMETER: 4 FT 6 IN A/N: 470290 <u>551269</u>	D400				



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DRUM, BLOWDOWN, V-1418, ACID, LENGTH: 27 FT ; DIAMETER: 10 FT A/N: 470290 <u>551269</u>	D401				
SCRUBBER, CAUSTIC, V-1419, ACID VAPOR, LENGTH: 16 FT ; DIAMETER: 8 FT A/N: 470290 <u>551269</u>	D402				
COLUMN, DEETHANIZER, V-1420, LENGTH: 81 FT 6 IN; DIAMETER: 5 FT A/N: 470290 <u>551269</u>	D403				
ACCUMULATOR, V-1421, DEETHANIZER OVERHEAD, LENGTH: 80 FT ; DIAMETER: 5 FT A/N: 470290 <u>551269</u>	D404				
POT, V-1422, DEETHANIZER REBOILER CONDENSATE, LENGTH: 3 FT ; DIAMETER: 1 FT 6 IN A/N: 470290 <u>551269</u>	D405				
SETTLING TANK, V-1423, DEPROPANIZER CAUSTIC WASH, LENGTH: 30 FT ; DIAMETER: 6 FT 6 A/N: 470290 <u>551269</u>	D406				
SETTLING TANK, V-1424, DEPROPANIZER WATER WASH, <u>WITH NEW ELEMENT</u> LENGTH: 26 FT ; DIAMETER: 6 FT A/N: 470290 <u>551269</u>	D407				
VESSEL, PRECIPITATOR, V-1425, DEPROPANIZER FEED, HEIGHT: 12 FT ; DIAMETER: 6 FT A/N: 470290 <u>551269</u>	D408				
COLUMN, DEPROPANIZER, V-1426, HEIGHT: 118 FT 6 IN; DIAMETER: 7 FT A/N: 470290 <u>551269</u>	D409				
POT, V-1427, DEPROPANIZER REBOILER CONDENSATE, LENGTH: 3 FT ; DIAMETER: 1 FT 6 IN A/N: 470290 <u>551269</u>	D410				
ACCUMULATOR, V-1428, DEPROPANIZER OVERHEAD, LENGTH: 15 FT ; DIAMETER: 6 FT A/N: 470290 <u>551269</u>	D411				
<u>VESSEL, COALESCER, V-2409, PROPANE FREE WATER, WITH INTERNAL COALESCER ELEMENT</u> <u>LENGTH: 8 FT ; DIAMETER: 1 FT</u> A/N: <u>551269</u>	<u>DXXXI</u>				
VESSEL, DEGASSER, V-1429, ALKALINE WATER, LENGTH: 8 FT ; DIAMETER: 4 FT A/N: 470290 <u>551269</u>	D949			HAP: (10) [40CFR 63 Subpart CC, #1, 6-23-2003]	



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VESEL, DEGASSER, V-1430, SPENT CAUSTIC, LENGTH: 8 FT ; DIAMETER: 4 FT A/N: 470290 551269	D950				
DRUM, FLASH, V-1432, HP CONDENSATE, LENGTH: 5 FT ; DIAMETER: 3 FT A/N: 470290 551269	D413				
DRUM, FLASH, V-1433, LP CONDENSATE, LENGTH: 37 FT 4 IN; DIAMETER: 11 FT A/N: 470290 551269	D414				
POT, V-1434, ALKY DIB. CAUSTIC HEATER CONDENSATE, LENGTH: 3 FT ; DIAMETER: 1 FT 6 IN A/N: 470290 551269	D415				
TANK, WASH, V-1435, ALKY DIB. CAUSTIC SETTLER, LENGTH: 43 FT ; DIAMETER: 9 FT A/N: 470290 551269	D416				
TANK, WASH, V-1436, ALKY DIB. WATER SETTLER, LENGTH: 40 FT ; DIAMETER: 8 FT A/N: 470290 551269	D417				
VESEL, PRECIPITATOR, V-1437, ALKY DIB. FEED, LENGTH: 10 FT ; DIAMETER: 10 FT A/N: 470290 551269	D418				
DRUM, V-1438, ALKY DIB. TEA, LENGTH: 9 FT ; DIAMETER: 3 FT A/N: 470290 551269	D419				
COLUMN, ALKY DIB, V-1439, HEIGHT: 165 FT ; DIAMETER: 11 FT A/N: 470290 551269	D420				
POT, V-1440A/B/C/D, ALKY DIB. REBOILER CONDENSATE, 4 TOTAL, LENGTH: 3 FT ; DIAMETER: 1 FT 6 IN A/N: 470290 551269	D421				
ACCUMULATOR, V-1441, ALKY DIB. OVERHEAD, LENGTH: 42 FT ; DIAMETER: 10 FT 6 IN A/N: 470290 551269	D422				
COLUMN, ALKY DEBUTANIZER, V-1442, HEIGHT: 94 FT 9 IN; DIAMETER: 5 FT A/N: 470290 551269	D423				
POT, V-1443, ALKY DEBUTANIZER REBOILER CONDENSATE, LENGTH: 3 FT ; DIAMETER: 1 FT 6 IN A/N: 470290 551269	D424				



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ACCUMULATOR, V-1444, ALKY DEBUTANIZER OVERHEAD, LENGTH: 15 FT ; DIAMETER: 4 FT 6 IN A/N: 470290 551269	D425				
ACCUMULATOR, V-1449, V-1450 AND V-2103, S.O. AT E-1277, E1276 AND E-1721, 3 TOTAL, HEIGHT: 2 FT 3 IN; DIAMETER: 1 FT 7 IN A/N: 470290 551269	D431				
KNOCK OUT POT, FLARE, V-1694, LENGTH: 23 FT ; DIAMETER: 8 FT A/N: 470290 551269	D432				
DRUM, FLASH, V-1583, MIXED BUTANE TREATER, CAUSTIC A/N: 470290 551269	D953				
VESSEL, V-1156/7/8/9, K.O. POTS 12001/2/3/4, 4 TOTAL A/N: 470290 551269	D954				
VESSEL, PRECIPITATOR, V-1412, ACID A/N: 470290 551269	D960				
VESSEL, V-1413, SPENT ACID A/N: 470290 551269	D961				
SETTLING TANK, 3RD STAGE, V-2090, ACID, LENGTH: 50 FT ; DIAMETER: 12 FT A/N: 470290 551269	D1080				
VESSEL, CONTACTOR, E-1721, 9800 SQ.FT., LENGTH: 92 FT ; DIAMETER: 63 FT A/N: 470290 551269	D1081				
COMPRESSOR, C-155, REFRIGERANT, CENTRIFUGAL, BARREL TYPE, 4000 H.P. A/N: 470290 551269	D1082				H23.4
TANK, SETTLING, V-2241, ACID, LENGTH: 50 FT ; DIAMETER: 12 FT 6 IN A/N: 470290 551269	D1504				
VESSEL, V-2242, ISOBUTANE COALESCER, LENGTH: 7 FT 6 IN; DIAMETER: 5 FT A/N: 470290 551269	D1505				
TANK, WASH, V-2250, ACID, LENGTH: 20 FT ; DIAMETER: 12 FT A/N: 470290 551269	D1506				



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VESSEL, CONTACTORS NOS. 1 & 2, E-1276 & 1277 A/N: 470290 <u>551269</u>	D959				
VESSEL, CONTACTOR NO. 4, E-1827 A/N: 470290 <u>551269</u>	D1507				
COMPRESSOR, C-164, PROPANE, 1455-HP A/N: 470290 <u>551269</u>	D1509				
FUGITIVE EMISSIONS MISCELLANEOUS A/N: 470290 <u>551269</u>	D1392			HAP: (10) [40CFR 63 Subpart CC, #5A, 6-23-2003]	H23. 16

Equipment	ID No.	Connected To	RECLAIM Source Type / Monitoring Unit	Emissions and Requirements	Conditions
PROCESS 21: AIR POLLUTION CONTROL					
System 1: REFINERY FLARE					S13.4, S18.2
FLARE, ELEVATED WITH STEAM INJECTION, Q-910, NO. 2, JOHN ZINK, MODEL STF-S-30, DIAMETER: 2 FT 6 IN; HEIGHT: 250 FEET A/N: 539336- <u>551270</u>	C747				D12.4, D323.2, E193.1, H23.38,
FLARE, ELEVATED WITH STEAM INJECTION, Q-913, NO. 1, JOHN ZINK, MODEL STF-S-30, DIAMETER: 2 FT 6 IN; HEIGHT: 250 FEET A/N: 539336- <u>551270</u>	C748				D12.4, D323.2, E193.1, H23.38,
KNOCK OUT POT, V-847, FLARE NO.2, WITH INTERNAL LIQUID SEAL, LENGTH 24 FT; DIAMETER 12 FT A/N: 539336- <u>551270</u>	D752				
KNOCK OUT POT, V-848, FLARE NO.1, WITH INTERNAL LIQUID SEAL, LENGTH 24 FT; DIAMETER 12 FT A/N: 539336- <u>551270</u>	D753				



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KNOCK OUT POT, V-616, CRU-HTU NO. 1, LENGTH: 16 FT; DIAMETER: 8 FT A/N: A/N: 539336 - 551270	D750				
KNOCK OUT POT, V-630, CRU-HTU NO. 2, LENGTH: 19 FT; DIAMETER: 6 FT A/N: A/N: 539336 - 551270	D751				
KNOCK OUT POT, V-873, CRU NO. 3, LENGTH: 18 FT; DIAMETER: 9 FT A/N: A/N: 539336 - 551270	D754				
KNOCK OUT POT, V-934, DCU, LENGTH: 25 FT; DIAMETER: 12 FT A/N: A/N: 539336 - 551270	D755				
KNOCK OUT POT, V-951, HGU NO. 1, LENGTH: 40 FT; DIAMETER: 10 FT A/N: A/N: 539336 - 551270	D756				
KNOCK OUT POT, V-1018, HCU, LENGTH: 29 FT; DIAMETER: 14 FT 6 IN A/N: A/N: 539336 - 551270	D757				
KNOCK OUT POT, V-1431, ALKYLATION UNIT A/N: A/N: 539336 - 551270	D758				
KNOCK OUT POT, V-1472, HTU NO. 3, LENGTH: 23 FT 8 IN; DIAMETER: 9 FT 3 IN A/N: A/N: 539336 - 551270	D759				
KNOCK OUT POT, V-1764, HTU-4, HEIGHT: 36 FT; DIAMETER: 13 FT A/N A/N: 539336 - 551270	D172				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: A/N: 539336 - 551270	D1419			HAP: (10) [RULE 63SUBPART CC_5A, 05/25/01]	H23.5,

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

RECOMMENDATIONS

A permit to construct is recommended subject to the following conditions:

Additions are shown as underlined and deletions are shown as ~~strikeouts~~.

A/N 551269

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

S13.4 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1123

[RULE 1123, 12-7-1990]

[Systems subject to this condition : Process 1, System 1 , 2; Process 2, System 1 , 3 , 4 , 6 , 7 , 10; Process 3, System 1 , 2 , 4 , 5; Process 4, System 1 , 3 , 5 , 7 , 9; Process 5, System 1 , 3 , 5; Process 6, System 1 , 3; Process 8, System 1; Process 9, System 1 , 2 , 3 , 4; Process 12, System 5 , 8; Process 19, System 3; Process 21, System 1 , 3]

S15.2 The vent gases from all affected devices of this process/system shall be vented as follows:

All emergency vent gases shall be directed to the refinery flares (process 21, system



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1) or flare gas recovery system (process 21, system 4) which may also include DCU Blowdown Compressor C-137 (device D68) except Devices IDs D898, D20, D910, D1268, D1269, D1280, D93, D94, D96, D1283, D1284, D1288, D1292, D219, D226, D1212, D275, D1256, D375, D928, D1267 & D916 that vent to the atmosphere.

This process/system shall not be operated unless the blowdown flare system is in full use and has a valid permit to receive vent gases from this system.

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

[Systems subject to this condition : Process 1, System 1, 2; Process 2, System 1, 3, 6, 10; Process 3, System 1, 2, 5; Process 4, System 1, 3, 5, 7, 9; Process 5, System 1, 3, 5; Process 6, System 1, 3; Process 8, System 1; Process 9, System 1, 2, 3; Process 12, System 8; Process 19, System 3; Process 21, System 4]

S15.5 The vent gases from all affected devices of this process/system shall be vented as follows:

All vent gases under normal operating conditions shall be directed to a vapor recovery system consisting of compressors, D641, 642, 643, and/or 644, which can be operated independently to maintain a system vacuum that efficiently collects all vented gases, except devices D305, 432, 1504-1507, 1514-1524 that vent to the flare system.

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

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

[Systems subject to this condition : Process 9, System 1; Process 23, System 1]

S31.1 The following BACT requirements shall apply to VOC service fugitive components associated with the devices that are covered by application number(s) 347559, 347560, 347564, 366048, 366083, 376616, 376622, 376623, 376624, 376625, 376626, 376627, 376628 & 381228, 435139, 457927, 501287 & 501288:

All open-ended valves shall be equipped with cap, blind angle, plug, or a second valve.

All pressure relief valves shall be connected to closed vent system or equipped with rupture disc.



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

All sampling connections shall be closed-purge, closed-loop, or closed-vent system.

All new components in VOC service as defined in Rule 1173, except valves and flanges, shall be inspected quarterly using EPA reference Method 21. All new valves and flanges in VOC service except those specifically exempted by Rule 1173 shall be inspected monthly using EPA Method 21.

All new components in VOC service, a leak greater than 500 ppm but less than 1,000 ppm measured as methane above background as measured using EPA Method 21, shall be repaired within 14 days of detection.

All new valves in VOC service shall be of leakless type, except those specifically exempted by Rule 1173 or approved by the District in the following applications: heavy liquid service, control valves, instrument piping/tubing, applications requiring torsional valve stem motion, applications where failures could pose safety hazards (e.g. drain valves with valve stems in horizontal position), retrofits with space limitations, and valves not commercially available.

If 98.0 percent or greater of the new valve and the new flange population inspected is found to leak gaseous or liquid volatile organic compounds at a rate less than 500 ppm for two consecutive months, then the operator may revert to a quarterly inspection program with the approval of the executive officer. This condition does not apply to leakless valves.

The operator shall keep records of the monthly inspection (and quarterly where applicable), subsequent repair, and reinspection, in a manner approved by the District.

The operator shall provide to the District, no later than 90 days after initial startup, a recalculation of the fugitive emissions based on actual components installed and removed from service. The operator shall also submit a complete, as built, piping and instrumentation diagram(s) and copies of requisition data sheets for all non-leakless type valves with a listing of tag numbers and reasons why leakless valves were not used.

For the purpose of this condition, leakless valve shall be defined as any valve equipped with sealed bellow or equivalent as approved in writing by the District prior to installation.

Components shall be defined as any valve, fitting, pump, compressor, pressure relief device, diaphragm, hatch, sight-glass, and meter, which are not exempt by Rule 1173.

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Systems subject to this condition : Process 2, System 1; Process 3, System 1; Process 4, System 1 , 3 , 7; Process 5, System 1 , 3 , 5; Process 6, System 1; Process 8, System1; Process 9, System 1; Process 15, System 3; Process 23, System 1]



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

- S31.4** The following BACT requirements shall apply to VOC service fugitive components associated with the devices that are covered by application number(s) 520770 & **551269**:

All sampling connections shall be closed-purge, closed loop, or closed-vent systems.

All new valves in VOC service shall be leakless type, except those specifically exempted by Rule 1173 or approved by the District in the following applications: heavy liquid service, control valves, instrument piping/tubing, applications requiring torsional valve stem motion, applications where valve failure could pose safety hazard (e.g., drain valves with valve stems in horizontal position), retrofits/special applications with space limitations, and valves not commercially available.

For the purpose of this condition, leakless valve shall be defined as any valve equipped with sealed bellows or equivalent approved in writing by the District prior to installation.

All new components in VOC service as defined by Rule 1173, except valves and flanges shall be inspected quarterly using EPA Reference Method 21. All new valves and flanges in VOC service except those specifically exempted by Rule 1173 shall be inspected monthly using EPA Method 21. Components shall be defined as any valve, flange, fitting, pump, compressor, pressure relief device, diaphragm, hatch, sight-glass, and meter, which are not exempted by Rule 1173.

The following leaks shall be repaired within 7 calendar days -- all light liquid/gas/vapor components leaking at a rate of 500 to 10,000 ppm, heavy liquid components leaking at a rate of 100 to 500 ppm and greater than 3 drops/minute, unless otherwise extended as allowed under Rule 1173.

The following leaks shall be repaired within 2 calendar days -- any leak between 10,000 to 25,000 ppm, any atmospheric PRD leaking at a rate of 200 to 25,000 ppm, unless otherwise extended as allowed under Rule 1173.

The following leaks shall be repaired within 1 calendar day -- any leak greater than 25,000 ppm, heavy liquid leak greater than 500 ppm, or light liquid leak greater than 3 drops per minute.

If 98.0 percent or greater of the new valve and the new flange population inspected is found to leak gaseous or liquid volatile organic compounds at a rate less than 500 ppmv for two consecutive months, then the operator may revert to a quarterly inspection program with the approval of the Executive Officer. This condition shall not apply to leakless valves.

The operator shall revert from quarterly to monthly inspection program if less than 98.0 percent of the new valves and the new flange population inspected are found to leak gaseous or liquid volatile organic compounds at a rate less than 500 ppmv. This condition shall not apply to leakless valves.



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

The operator shall keep records of the monthly inspection (quarterly where applicable), subsequent repair, and reinspection, in a manner approved by the District.

The operator shall provide to the District, prior to initial startup, a list of all non-leakless type valves that were installed. The list shall include the tag numbers for the valves and reasons why leakless valves were not used. The operator shall not startup the equipment prior to the Districts approval for the use of all non-leakless valves

The operator shall provide to the District, no later than 90 days after initial startup, a recalculation of the fugitive emissions based on actual components installed and removed from service. The operator shall also submit a complete, as built, piping and instrumentation diagram(s) and copies of requisition data sheets or field inspection surveys for all non-leakless type valves with a listing of tag numbers and reasons why leakless valves were not used.

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

[Systems subject to this condition: Process 2, System 6, **Process 9, System 1**]

DEVICE CONDITIONS

H23.4 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/ Subpart
VOC	40CFR60, SUBPART	GGG

[40CFR 60 Subpart GGG, 6-2-2008]

[Devices subject to this condition: D68, D377, D901, D918]

H23.16: This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/ Subpart
VOC	District Rule	1173
VOC	40CFR60	GGG

[RULE 1173, 5-13-1994; RULE 1173, 12-6-2009; 40CFR 60 Subpart GGG, 6-2-2008]

[Devices subject to this condition: D1365, D1380]



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

A/N 551270-Flare conditions

SYSTEM CONDITIONS

S13.4 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1123

[RULE 1123, 12-7-1990]

[Systems subject to this condition : Process 1, System 1 , 2; Process 2, System 1 , 3 , 4 , 6 , 7 , 10; Process 3, System 1 , 2 , 4 , 5; Process 4, System 1 , 3 , 5 , 7 , 9; Process 5, System 1 , 3 , 5; Process 6, System 1 , 3; Process 8, System 1; Process 9, System 1 , 2 , 3 , 4; Process 12, System 5 , 8; Process 19, System 3; Process 21, System 1 , 3]

S18.2 All affected devices listed under this process/system shall be used only to receive, recover and/or dispose of vent gases routed from the system(s) or process(es) listed below, in addition to specific devices identified in the "connected to" column:

Crude Distillation Unit (Process: 1, System: 1 & 2)

Delayed Coking Unit (DCU) (Process: 2, System: 1, 3, 6 & 10)

Fluid Catalytic Cracking Unit (FCCU) (Process: 3, System: 1, 2, 4 & 5)

Hydrotreating Units (Process: 4, System: 1, 3, 5, 7 & 9)

Catalytic Reforming Units (Process: 5, System: 1, 3 & 5)

Hydrogen Generation Units (Process: 6, System: 1 & 3)

Hydrocracking Unit (Process: 8, System: 1)

Alkylation Unit (Process: 9, System: 1, 2 & 3)

Fuel Gas Treating System (Process: 12, System: 8)



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

Loading and Unloading (Process: 14, System: 2 & 3)

Pressurized Storage Tanks (Process: 15, System: 3)

Fuel Gas Mix System (Process: 19, System: 3)

Isomerization Unit (Process: 23, System: 1)

[**RULE 1303(a)(1)-BACT, 5-10-1996**]

[Systems subject to this condition : Process 21, System 1]

DEVICE CONDITIONS

D. Monitoring/Testing Requirements

D12.4 The operator shall install and maintain a(n) thermocouple to accurately indicate the presence of a flame at the pilot light.

[**RULE 1118, 11-4-2005; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; 40CFR 60 Subpart A, 6-13-2007**]

[Devices subject to this condition: C747, C748]

D323.2 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a bi-weekly basis, at least, unless the equipment did not operate during the entire bi-weekly period. The routine bi-weekly inspection shall be conducted while the equipment is in operation and during daylight hours.

If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall verify and certify within 24 hours that the equipment causing the emission and any associated air pollution control equipment are operating normally according to their design and standard procedures and under the same conditions under which compliance was achieved in the past, and either:

1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in section k of this permit; or

2). Have a CARB certified smoke reader_ determine compliance with the opacity standard, using EPA method 9 or the procedures in the CARB manual "visible emission evaluation" within three business days and report any deviations to AQMD.



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

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE
The operator shall comply with the terms and conditions set forth below:

The operator shall keep the records in accordance with the recordkeeping requirements in section k of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions;
- 3). Date and time visible emission was abated; and
- 4). All visible emission observation records by operator or a certified smoke reader.

[**RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401- 3-2-1984, RULE 401-11-9-2001**]

[Devices subject to this condition: C747, C748]

E. Equipment Operation/Construction Requirements

E193.1 The operator shall operate and maintain this equipment according to the following specifications:

The operator shall comply with all applicable requirements specified in Section 60.18 of the 40CFR60 Subpart A

[**40CFR 60 Subpart A, 4-9-1993**]

[Devices subject to this condition: C747,C748]

H. Applicable Rules

H23.5 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/ Subpart
VOC	District Rule	1173

[**RULE 1173, 5-13-1994; RULE 1173, 2-6-2009**]

[Devices subject to this condition : D1354, D1355, D1359, D1361, D1362, D1363,D1366, D1367, D1399, D1415, D1416, D1419, D1425, D1443, D1444, D1459,D1460, D1461, D1465, D1466, D1467, D1469, D1470, D1471, D1473, D1477,D1553, D1556, D1557, D1561]



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

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE
The operator shall comply with the terms and conditions set forth below:

H23.38 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/ Subpart
VOC	District Rule	1118

[RULE 1118, 11-4-2005]

[Devices subject to this condition: C747,C748]

DRAFT