

FACILITY PERMIT TO OPERATE

**TESORO REFINING AND MARKETING CO, LLC
2101 E PACIFIC COAST HWY
WILMINGTON, CA 90744**

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR A COPY THEREOF MUST BE KEPT AT THE LOCATION FOR WHICH IT IS ISSUED.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT SHALL NOT BE CONSTRUED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF ANY OTHER FEDERAL, STATE OR LOCAL GOVERNMENTAL AGENCIES.

Barry R. Wallerstein, D. Env.
EXECUTIVE OFFICER

By _____
Mohsen Nazemi, P.E.
Deputy Executive Officer
Engineering & Compliance

FACILITY PERMIT TO OPERATE TESORO REFINING AND MARKETING CO, LLC

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FACILITY PERMIT TO OPERATE TESORO REFINING AND MARKETING CO, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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
Process 2: COKING AND RESIDUAL CONDITIONING					P13.1
System 10: VACUUM DISTILLATION					S13.4, S15.2, S31.5
TOWER, VACUUM, V-3593, DIAMETER:15 FT(TOP), 26 FT(MIDDLE), 10 FT(BOTTOM);HEIGHT:121FT6IN A/N: 526722 Permit to Construct Issued: 12/08/11	D1700				H23.39, L341.4
VESSEL, VACUUM JET HOT WELL, FC-132 (V-928), LENGTH: 20 FT ; DIAMETER: 4 FT A/N: 526722 Permit to Construct Issued: 12/08/11	D13				
ABSORBER, AMINE, FC-160 (V-937), VACUUM VENT GAS, HEIGHT: 28 FT 6 IN; DIAMETER: 3 FT A/N: 526722 Permit to Construct Issued: 12/08/11	D14				
EJECTOR, ME0937, IST STAGE CONDENSER, E1977 A/N: 526722 Permit to Construct Issued: 12/08/11	D1701				H23.30, L341.4
EJECTOR, ME0938, 2ND STAGE CONDENSER, E1978 A/N: 526722 Permit to Construct Issued: 12/08/11	D1702				H23.30, L341.4
EJECTOR, ME0939, 2ND STAGE CONDENSER, E1979 A/N: 526722 Permit to Construct Issued: 12/08/11	D1703				H23.30, L341.4
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 526722 Permit to Construct Issued: 12/08/11	D1557			HAP: (10) [40CFR 63 Subpart CC, #5A, 6-23-2003]	H23.5, H23.39

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| <ul style="list-style-type: none"> * (1) (1A) (1B) Denotes RECLAIM emission factor (3) Denotes RECLAIM concentration limit (5) (5A) (5B) Denotes command and control emission limit (7) Denotes NSR applicability limit (9) See App B for Emission Limits | <ul style="list-style-type: none"> (2) (2A) (2B) Denotes RECLAIM emission rate (4) Denotes BACT emission limit (6) Denotes air toxic control rule limit (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.) (10) See section J for NESHAP/MACT requirements |
|--|--|

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Process 3: FLUID CATALYTIC CRACKING (FCCU)					P13.1
System 1: FCCU RECOVERY SECTION					S13.4, S15.2, S15.12, S31.1
ABSORBER, V-406, HEIGHT: 64 FT 4 IN; DIAMETER: 4 FT 6 IN A/N: 535089 Permit to Construct Issued: 11/02/12	D78				
TOWER, SPLITTER, HEAVY NAPHTHA, V-407, HEIGHT: 47 FT ; DIAMETER: 5 FT 6 IN A/N: 535089 Permit to Construct Issued: 11/02/12	D1267				
TOWER, RERUN, V-408, HEIGHT: 82 FT ; DIAMETER: 7 FT A/N: 535089 Permit to Construct Issued: 11/02/12	D1268				
TOWER, SPLITTER, LIGHT NAPHTHA, V-409, HEIGHT: 60 FT ; DIAMETER: 8 FT 6 IN A/N: 535089 Permit to Construct Issued: 11/02/12	D1269				
COLUMN, DEPROPANIZER, V-410A, HEIGHT: 99 FT 6 IN; DIAMETER: 6 FT A/N: 535089 Permit to Construct Issued: 11/02/12	D1718				
ACCUMULATOR, V-413, HEIGHT: 10 FT ; DIAMETER: 5 FT A/N: 535089 Permit to Construct Issued: 11/02/12	D79				
DRUM, V-414, RERUN REFLUX A/N: 535089 Permit to Construct Issued: 11/02/12	D915				

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 (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
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Process 3: FLUID CATALYTIC CRACKING (FCCU)					P13.1
ACCUMULATOR, V-415, SPLITTER TOWER REFLUX, HEIGHT: 19 FT ; DIAMETER: 5 FT 7 IN A/N: 535089 Permit to Construct Issued: 11/02/12	D80				
ACCUMULATOR, V-416, DEPROPANIZER TOWER REFLUX, LENGTH: 19 FT ; DIAMETER: 6 FT 6 IN A/N: 535089 Permit to Construct Issued: 11/02/12	D81				
DRUM, DRYING, LOW PRESSURE, V-419, HEIGHT: 20 FT ; DIAMETER: 10 FT A/N: 535089 Permit to Construct Issued: 11/02/12	D82				
VESSEL, SURGE, V-423, AVGAS CHARGE, HEIGHT: 19 FT ; DIAMETER: 7 FT 7 IN A/N: 535089 Permit to Construct Issued: 11/02/12	D84				
DRUM, DRYING, V-424, RERUN TOWER GAS, HEIGHT: 10 FT ; DIAMETER: 3 FT 6 IN A/N: 535089 Permit to Construct Issued: 11/02/12	D85				
KNOCK OUT POT, FLARE, V-431, LENGTH: 13 FT ; DIAMETER: 6 FT A/N: 535089 Permit to Construct Issued: 11/02/12	D1271				

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 (2) (2A) (2B) Denotes RECLAIM emission rate
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 (4) Denotes BACT emission limit
 (5) (5A) (5B) Denotes command and control emission limit
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Process 3: FLUID CATALYTIC CRACKING (FCCU)					P13.1
DRUM, PRESSURE RELIEVING SEAL, V-432, HEIGHT: 43 FT ; DIAMETER: 4 FT 4 IN A/N: 535089 Permit to Construct Issued: 11/02/12	D86			HAP: (10) [40CFR 63 Subpart CC, #2, 6-23-2003]	
POT, DEETHANIZER WATER DRAIN, V-547, HEIGHT: 6 FT ; DIAMETER: 1 FT 6 IN A/N: 535089 Permit to Construct Issued: 11/02/12	D1273				
DRUM, WATER DRAW-OFF, V-675, LENGTH: 4 FT 8 IN; DIAMETER: 4 FT A/N: 535089 Permit to Construct Issued: 11/02/12	D1275				
KNOCK OUT POT, VAPOR RECOVERY, V-676, LENGTH: 4 FT 4 IN; DIAMETER: 2 FT A/N: 535089 Permit to Construct Issued: 11/02/12	D1272				
KNOCK OUT POT, V-1100, NAPHTHA, LENGTH: 12 FT 6 IN; DIAMETER: 3 FT A/N: 535089 Permit to Construct Issued: 11/02/12	D912				
TOWER, DEBUTANIZER, V-1547, HEIGHT: 100 FT 6 IN; DIAMETER: 7 FT A/N: 535089 Permit to Construct Issued: 11/02/12	D1280				

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Process 3: FLUID CATALYTIC CRACKING (FCCU)					P13.1
COLUMN, DEETHANIZER, V-1548, HEIGHT: 12 FT 6 IN; DIAMETER: 6 FT A/N: 535089 Permit to Construct Issued: 11/02/12	D910				
ACCUMULATOR, V-1549, DEBUTANIZER REFLUX, HEIGHT: 20 FT ; DIAMETER: 7 FT A/N: 535089 Permit to Construct Issued: 11/02/12	D913				
KNOCK OUT POT, V-1789, PROPANE/PROPYLENE, HEIGHT: 8 FT 6 IN; DIAMETER: 24 FT A/N: 535089 Permit to Construct Issued: 11/02/12	D909				
COMPRESSOR, RERUN TOWER GAS, C-43/44, 2 TOTAL, 4 CYLINDERS A/N: 535089 Permit to Construct Issued: 11/02/12	D87				
COMPRESSOR, C-142, WET GAS A/N: 535089 Permit to Construct Issued: 11/02/12	D918				H23.4
VESSEL, SEPARATOR, HIGH PRESSURE, V-2343, LENGTH: 22 FT ; DIAMETER: 8 FT A/N: 535089 Permit to Construct Issued: 11/02/12	D1597				
VESSEL, SEPARATOR, SOUR WATER FLASH , V-2344, LENGTH: 25 FT ; DIAMETER: 8 FT 6 IN A/N: 535089 Permit to Construct Issued: 11/02/12	D1598				

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 (3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit
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 (7) Denotes NSR applicability limit (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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Process 3: FLUID CATALYTIC CRACKING (FCCU)					P13.1
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 535089 Permit to Construct Issued: 11/02/12	D1365			HAP: (10) [40CFR 63 Subpart CC, #5A, 6-23-2003]	H23.16
Process 9: ALKYLATION					P13.1
System 1: ALKYLATION UNIT					S13.4, S15.2, S15.5, S31.1, S31.4
FILTER, SALT, V-579, PROPANE, LENGTH: 25 FT 4 IN; DIAMETER: 5 FT A/N: 551269 Permit to Construct Issued: 01/17/14	D390				
VESSEL, SALT DRIER, V-582, LENGTH: 15 FT 8 IN; DIAMETER: 4 FT A/N: 551269 Permit to Construct Issued: 01/17/14	D391				
VESSEL, V-1407, BUTYLENE COALESCER, LENGTH: 13 FT 2 IN; DIAMETER: 3 FT 6 IN A/N: 551269 Permit to Construct Issued: 01/17/14	D392				
VESSEL, COALESCER, V-1408, OLEFIN, LENGTH: 10 FT 5 IN; DIAMETER: 1 FT 8 IN A/N: 551269 Permit to Construct Issued: 01/17/14	D393				
SETTLING TANK, 1ST STAGE, V-1409, ACID, LENGTH: 50 FT ; DIAMETER: 12 FT 6 IN A/N: 551269 Permit to Construct Issued: 01/17/14	D394				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
- (3) Denotes RECLAIM concentration limit
- (5) (5A) (5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
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Process 9: ALKYLATION					P13.1
SETTLING TANK, 2ND STAGE, V-1410, ACID, LENGTH: 50 FT ; DIAMETER: 12 FT 6 IN A/N: 551269 Permit to Construct Issued: 01/17/14	D395				
TANK, FLASH, V-1411, REACTOR EFFLUENT, LENGTH: 30 FT 6 IN; DIAMETER: 8 FT 6 IN A/N: 551269 Permit to Construct Issued: 01/17/14	D396				
TANK, FLASH, V-1414, REFRIGERANT, LENGTH: 24 FT ; DIAMETER: 6 FT 6 IN A/N: 551269 Permit to Construct Issued: 01/17/14	D397				
ACCUMULATOR, V-1416, REFRIGERANT, LENGTH: 18 FT ; DIAMETER: 5 FT A/N: 551269 Permit to Construct Issued: 01/17/14	D399				
ACCUMULATOR, V-1953, DEPROPANIZER FEED, LENGTH: 20 FT ; DIAMETER: 4 FT 6 IN A/N: 551269 Permit to Construct Issued: 01/17/14	D400				
DRUM, BLOWDOWN, V-1418, ACID, LENGTH: 27 FT ; DIAMETER: 10 FT A/N: 551269 Permit to Construct Issued: 01/17/14	D401				
SCRUBBER, CAUSTIC, V-1419, ACID VAPOR, LENGTH: 16 FT ; DIAMETER: 8 FT A/N: 551269 Permit to Construct Issued: 01/17/14	D402				

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Process 9: ALKYLATION					P13.1
COLUMN, DEETHANIZER, V-1420, LENGTH: 81 FT 6 IN; DIAMETER: 5 FT A/N: 551269 Permit to Construct Issued: 01/17/14	D403				
ACCUMULATOR, V-1421, DEETHANIZER OVERHEAD, LENGTH: 80 FT ; DIAMETER: 5 FT A/N: 551269 Permit to Construct Issued: 01/17/14	D404				
POT, V-1422, DEETHANIZER REBOILER CONDENSATE, LENGTH: 3 FT ; DIAMETER: 1 FT 6 IN A/N: 551269 Permit to Construct Issued: 01/17/14	D405				
SETTLING TANK, V-1423, DEPROPANIZER CAUSTIC WASH, LENGTH: 30 FT ; DIAMETER: 6 FT 6 IN A/N: 551269 Permit to Construct Issued: 01/17/14	D406				
SETTLING TANK, V-1424, DEPROPANIZER WATER WASH, LENGTH: 26 FT ; DIAMETER: 6 FT A/N: 551269 Permit to Construct Issued: 01/17/14	D407				
VESSEL, PRECIPITATOR, V-1425, DEPROPANIZER FEED, HEIGHT: 12 FT ; DIAMETER: 6 FT A/N: 551269 Permit to Construct Issued: 01/17/14	D408				

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Process 9: ALKYLATION					P13.1
COLUMN, DEPROPANIZER, V-1426, HEIGHT: 118 FT 6 IN; DIAMETER: 7 FT A/N: 551269 Permit to Construct Issued: 01/17/14	D409				
POT, V-1427, DEPROPANIZER REBOILER CONDENSATE, LENGTH: 3 FT ; DIAMETER: 1 FT 6 IN A/N: 551269 Permit to Construct Issued: 01/17/14	D410				
ACCUMULATOR, V-1428, DEPROPANIZER OVERHEAD, LENGTH: 15 FT ; DIAMETER: 6 FT A/N: 551269 Permit to Construct Issued: 01/17/14	D411				
VESSEL, COALESCER, V-2409, PROPANE FREE WATER WITH INTERNAL COALESCER ELEMENT, LENGTH: 8 FT ; DIAMETER: 1 FT A/N: 551269 Permit to Construct Issued: 01/17/14	D1725				
VESSEL, DEGASSER, V-1429, ALKALINE WATER, LENGTH: 8 FT ; DIAMETER: 4 FT A/N: 551269 Permit to Construct Issued: 01/17/14	D949			HAP: (10) [40CFR 63 Subpart CC, #1, 6-23-2003]	
VESSEL, DEGASSER, V-1430, SPENT CAUSTIC, LENGTH: 8 FT ; DIAMETER: 4 FT A/N: 551269 Permit to Construct Issued: 01/17/14	D950				

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Process 9: ALKYLATION					P13.1
DRUM, FLASH, V-1432, HP CONDENSATE, LENGTH: 5 FT ; DIAMETER: 3 FT A/N: 551269 Permit to Construct Issued: 01/17/14	D413				
DRUM, FLASH, V-1433, LP CONDENSATE, LENGTH: 37 FT 4 IN; DIAMETER: 11 FT A/N: 551269 Permit to Construct Issued: 01/17/14	D414				
POT, V-1434, ALKY DIB. CAUSTIC HEATER CONDENSATE, LENGTH: 3 FT ; DIAMETER: 1 FT 6 IN A/N: 551269 Permit to Construct Issued: 01/17/14	D415				
TANK, WASH, V-1435, ALKY DIB CAUSTIC SETTLER, LENGTH: 43 FT ; DIAMETER: 9 FT A/N: 551269 Permit to Construct Issued: 01/17/14	D416				
TANK, WASH, V-1436, ALKY DIB WATER SETTLER, LENGTH: 40 FT ; DIAMETER: 8 FT A/N: 551269 Permit to Construct Issued: 01/17/14	D417				
VESSEL, PRECIPITATOR, V-1437, ALKY DIB. FEED, LENGTH: 10 FT ; DIAMETER: 10 FT A/N: 551269 Permit to Construct Issued: 01/17/14	D418				
DRUM, V-1438, ALKY DIB. TEA, LENGTH: 9 FT ; DIAMETER: 3 FT A/N: 551269 Permit to Construct Issued: 01/17/14	D419				

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Process 9: ALKYLATION					P13.1
COLUMN, ALKY DIB, V-1439, HEIGHT: 165 FT ; DIAMETER: 11 FT A/N: 551269 Permit to Construct Issued: 01/17/14	D420				
POT, V-1440A/B/C/D, ALKY DIB. REBOILER CONDENSATE, 4 TOTAL, LENGTH: 3 FT ; DIAMETER: 1 FT 6 IN A/N: 551269 Permit to Construct Issued: 01/17/14	D421				
ACCUMULATOR, V-1441, ALKY DIB OVERHEAD, LENGTH: 42 FT ; DIAMETER: 10 FT 6 IN A/N: 551269 Permit to Construct Issued: 01/17/14	D422				
COLUMN, ALKY DEBUTANIZER, V-1442, HEIGHT: 94 FT 9 IN; DIAMETER: 5 FT A/N: 551269 Permit to Construct Issued: 01/17/14	D423				
POT, V-1443, ALKY DEBUTANIZER REBOILER CONDENSATE, LENGTH: 3 FT ; DIAMETER: 1 FT 6 IN A/N: 551269 Permit to Construct Issued: 01/17/14	D424				
ACCUMULATOR, V-1444, ALKY DEBUTANIZER OVERHEAD, LENGTH: 15 FT ; DIAMETER: 4 FT 6 IN A/N: 551269 Permit to Construct Issued: 01/17/14	D425				

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 - (7) Denotes NSR applicability limit
 - (9) See App B for Emission Limits
 - (2) (2A) (2B) Denotes RECLAIM emission rate
 - (4) Denotes BACT emission limit
 - (6) Denotes air toxic control rule limit
 - (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 - (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.

FACILITY PERMIT TO OPERATE TESORO REFINING AND MARKETING CO, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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
Process 9: ALKYLATION					P13.1
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: 551269 Permit to Construct Issued: 01/17/14	D431				
KNOCK OUT POT, FLARE, V-1694, LENGTH: 23 FT ; DIAMETER: 8 FT A/N: 551269 Permit to Construct Issued: 01/17/14	D432				
DRUM, FLASH, V-1583, MIXED BUTANE TREATER, CAUSTIC A/N: 551269 Permit to Construct Issued: 01/17/14	D953				
VESSEL, V-1156/7/8/9, K.O. POTS 12001/2/3/4, 4 TOTAL A/N: 551269 Permit to Construct Issued: 01/17/14	D954				
VESSEL, PRECIPITATOR, V-1412, ACID A/N: 551269 Permit to Construct Issued: 01/17/14	D960				
VESSEL, V-1413, SPENT ACID A/N: 551269 Permit to Construct Issued: 01/17/14	D961				
SETTLING TANK, 3RD STAGE, V-2090, ACID, LENGTH: 50 FT ; DIAMETER: 12 FT A/N: 551269 Permit to Construct Issued: 01/17/14	D1080				

* (1) (1A) (1B) Denotes RECLAIM emission factor
 (2) (2A) (2B) 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.

FACILITY PERMIT TO OPERATE TESORO REFINING AND MARKETING CO, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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
Process 9: ALKYLATION					P13.1
VESSEL, CONTACTOR, E-1721, 9800 SQ.FT., LENGTH: 92 FT ; DIAMETER: 63 FT A/N: 551269 Permit to Construct Issued: 01/17/14	D1081				
COMPRESSOR, C-155, REFRIGERANT, CENTRIFUGAL, BARREL TYPE, 4000 H.P. A/N: 551269 Permit to Construct Issued: 01/17/14	D1082				H23.4
TANK, SETTLING, V-2241, ACID, LENGTH: 50 FT ; DIAMETER: 12 FT 6 IN A/N: 551269 Permit to Construct Issued: 01/17/14	D1504				
VESSEL, V-2242, ISOBUTANE COALESCER, LENGTH: 7 FT 6 IN; DIAMETER: 5 FT A/N: 551269 Permit to Construct Issued: 01/17/14	D1505				
TANK, WASH, V-2250, ACID, LENGTH: 20 FT ; DIAMETER: 12 FT A/N: 551269 Permit to Construct Issued: 01/17/14	D1506				
VESSEL, CONTACTORS NOS. 1 & 2, E-1276 & 1277 A/N: 551269 Permit to Construct Issued: 01/17/14	D959				
VESSEL, CONTACTOR NO. 4, E-1827 A/N: 551269 Permit to Construct Issued: 01/17/14	D1507				

- * (1) (1A) (1B) Denotes RECLAIM emission factor
 (2) (2A) (2B) 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.

FACILITY PERMIT TO OPERATE TESORO REFINING AND MARKETING CO, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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
Process 9: ALKYLATION					P13.1
COMPRESSOR, C-164, PROPANE, 1455-HP A/N: 551269 Permit to Construct Issued: 01/17/14	D1509				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 551269 Permit to Construct Issued: 01/17/14	D1392			HAP: (10) [40CFR 63 Subpart CC, #5A, 6-23-2003]	H23.16
Process 21: AIR POLLUTION CONTROL					
System 1: REFINERY FLARE					S13.4, S18.2
FLARE, ELEVATED WITH STEAM INJECTION, NO.2, Q-910, JOHN ZINK, MODEL STF-S-30, HEIGHT: 250 FT ; DIAMETER: 2 FT 6 IN A/N: 551270 Permit to Construct Issued: 01/17/14	C747				D12.4, D323.2, E193.1, H23.38
FLARE, ELEVATED WITH STEAM INJECTION, NO.1, Q-913, JOHN ZINK, MODEL STF-S-30, HEIGHT: 250 FT ; DIAMETER: 2 FT 6 IN A/N: 551270 Permit to Construct Issued: 01/17/14	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: 551270 Permit to Construct Issued: 01/17/14	D752	D1648 D1651			
KNOCK OUT POT, V-848, FLARE NO. 1, WITH INTERNAL LIQUID SEAL, LENGTH: 24 FT ; DIAMETER: 12 FT A/N: 551270 Permit to Construct Issued: 01/17/14	D753	D1648 D1651			

- * (1) (1A) (1B) Denotes RECLAIM emission factor
- (3) Denotes RECLAIM concentration limit
- (5) (5A) (5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
- (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.

FACILITY PERMIT TO OPERATE TESORO REFINING AND MARKETING CO, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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
Process 21: AIR POLLUTION CONTROL					
KNOCK OUT POT, V-2369, CRU-HTU NO. 1, LENGTH: 16 FT ; DIAMETER: 8 FT A/N: 551270 Permit to Construct Issued: 01/17/14	D750				
KNOCK OUT POT, V-630, CRU-HTU NO. 2, LENGTH: 19 FT ; DIAMETER: 6 FT A/N: 551270 Permit to Construct Issued: 01/17/14	D751				
KNOCK OUT POT, V-873, CRU NO. 3, LENGTH: 18 FT ; DIAMETER: 9 FT A/N: 551270 Permit to Construct Issued: 01/17/14	D754				
KNOCK OUT POT, V-934, DCU, LENGTH: 25 FT ; DIAMETER: 12 FT A/N: 551270 Permit to Construct Issued: 01/17/14	D755				
KNOCK OUT POT, V-951, HGU NO. 1, LENGTH: 40 FT ; DIAMETER: 10 FT A/N: 551270 Permit to Construct Issued: 01/17/14	D756				
KNOCK OUT POT, V-1018, HCU, LENGTH: 29 FT ; DIAMETER: 14 FT 6 IN A/N: 551270 Permit to Construct Issued: 01/17/14	D757				
KNOCK OUT POT, V-1431, ALKYLATION UNIT, LENGTH: 35 FT ; DIAMETER: 11 FT A/N: 551270 Permit to Construct Issued: 01/17/14	D758				

* (1) (1A) (1B) Denotes RECLAIM emission factor
 (2) (2A) (2B) 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.

FACILITY PERMIT TO OPERATE TESORO REFINING AND MARKETING CO, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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
Process 21: AIR POLLUTION CONTROL					
KNOCK OUT POT, V-1472, HTU NO. 3, LENGTH: 23 FT 8 IN; DIAMETER: 9 FT 3 IN A/N: 551270 Permit to Construct Issued: 01/17/14	D759				
KNOCK OUT POT, V-1764, HTU-4, HEIGHT: 36 FT ; DIAMETER: 13 FT A/N: 551270 Permit to Construct Issued: 01/17/14	D172				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 551270 Permit to Construct Issued: 01/17/14	D1419			HAP: (10) [40CFR 63 Subpart CC, #5A, 6-23-2003; 40CFR 63 Subpart CC, #5A, 10-28-2009]	H23.5

* (1) (1A) (1B) Denotes RECLAIM emission factor
 (2) (2A) (2B) 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.

**FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO, LLC**

SECTION H: DEVICE ID INDEX

**The following sub-section provides an index
to the devices that make up the facility
description sorted by device ID.**

FACILITY PERMIT TO OPERATE TESORO REFINING AND MARKETING CO, LLC

SECTION H: DEVICE ID INDEX

Device Index For Section H			
Device ID	Section H Page No.	Process	System
D13	1	2	10
D14	1	2	10
D78	2	3	1
D79	2	3	1
D80	3	3	1
D81	3	3	1
D82	3	3	1
D84	3	3	1
D85	3	3	1
D86	4	3	1
D87	5	3	1
D172	16	21	1
D390	6	9	1
D391	6	9	1
D392	6	9	1
D393	6	9	1
D394	6	9	1
D395	7	9	1
D396	7	9	1
D397	7	9	1
D399	7	9	1
D400	7	9	1
D401	7	9	1
D402	7	9	1
D403	8	9	1
D404	8	9	1
D405	8	9	1
D406	8	9	1
D407	8	9	1
D408	8	9	1
D409	9	9	1
D410	9	9	1
D411	9	9	1
D413	10	9	1

FACILITY PERMIT TO OPERATE TESORO REFINING AND MARKETING CO, LLC

SECTION H: DEVICE ID INDEX

Device Index For Section H			
Device ID	Section H Page No.	Process	System
D414	10	9	1
D415	10	9	1
D416	10	9	1
D417	10	9	1
D418	10	9	1
D419	10	9	1
D420	11	9	1
D421	11	9	1
D422	11	9	1
D423	11	9	1
D424	11	9	1
D425	11	9	1
D431	12	9	1
D432	12	9	1
C747	14	21	1
C748	14	21	1
D750	15	21	1
D751	15	21	1
D752	14	21	1
D753	14	21	1
D754	15	21	1
D755	15	21	1
D756	15	21	1
D757	15	21	1
D758	15	21	1
D759	16	21	1
D909	5	3	1
D910	5	3	1
D912	4	3	1
D913	5	3	1
D915	2	3	1
D918	5	3	1
D949	9	9	1
D950	9	9	1

FACILITY PERMIT TO OPERATE TESORO REFINING AND MARKETING CO, LLC

SECTION H: DEVICE ID INDEX

Device Index For Section H			
Device ID	Section H Page No.	Process	System
D953	12	9	1
D954	12	9	1
D959	13	9	1
D960	12	9	1
D961	12	9	1
D1080	12	9	1
D1081	13	9	1
D1082	13	9	1
D1267	2	3	1
D1268	2	3	1
D1269	2	3	1
D1271	3	3	1
D1272	4	3	1
D1273	4	3	1
D1275	4	3	1
D1280	4	3	1
D1365	6	3	1
D1392	14	9	1
D1419	16	21	1
D1504	13	9	1
D1505	13	9	1
D1506	13	9	1
D1507	13	9	1
D1509	14	9	1
D1557	1	2	10
D1597	5	3	1
D1598	5	3	1
D1700	1	2	10
D1701	1	2	10
D1702	1	2	10
D1703	1	2	10
D1718	2	3	1
D1725	9	9	1

FACILITY PERMIT TO OPERATE TESORO REFINING AND MARKETING CO, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

FACILITY CONDITIONS

F9.1 Except for open abrasive blasting operations, the operator shall not discharge into the atmosphere from any single source of emissions whatsoever any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:

(a) As dark or darker in shade as that designated No.1 on the Ringelmann Chart, as published by the United States Bureau of Mines; or

(b) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in subparagraph (a) of this condition.

[RULE 401, 3-2-1984; RULE 401, 11-9-2001]

F14.1 The operator shall not purchase diesel fuel containing sulfur compounds in excess of 15 ppm by weight as supplied by the supplier.

This condition shall become effective on or after June 1, 2004.

[RULE 431.2, 5-4-1990; RULE 431.2, 9-15-2000]

F24.1 Accidental release prevention requirements of Section 112(r)(7):

a). The operator shall comply with the accidental release prevention requirements pursuant to 40 CFR Part 68 and shall submit to the Executive Officer, as a part of an annual compliance certification, a statement that certifies compliance with all of the requirements of 40 CFR Part 68, including the registration and submission of a risk management plan (RMP).

b). The operator shall submit any additional relevant information requested by the Executive Officer or designated agency.

[40CFR 68 - Accidental Release Prevention, 5-24-1996]

FACILITY PERMIT TO OPERATE TESORO REFINING AND MARKETING CO, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

F25.1 The permit holder of this facility shall not install, alter, or operate a refinery process unit or other non-Rule 219 exempt equipment without a valid RECLAIM/Title V permit issued by the AQMD pursuant to Rule 201 - Permit to Construct, Rule 203 - Permit to Operate, Rule 2004 - Requirements, and Rule 3002 - Requirements, as applicable.

Notwithstanding the above, the provisions of Rules 201, 203, 2004, and 3002 shall not apply to installations or alterations that involve only the equipment listed in Table 1 below, nor shall they apply to the operation of equipment listed in Table 1, when directly associated with permitted process units or other permitted equipment.

Notwithstanding the above, all new equipment listed in Table 1, including associated fugitive components installed with such equipment, shall have Best Available Control Technology installed in conformance with the Best Available Control Technology Guidelines in effect at the time of the installation.

TABLE 1

- (a) Heat Exchanger (including air-cooler, reboiler, cooler, condenser, and shell and tube exchanger)
- (b) In-line Mixer
- (c) Pump
- (d) Knockout Pot - Compressor inlet (immediate inlet) and interstage
- (e) Knockout Pot - Fuel Gas System (downstream of fuel gas mix drums)

This condition applies only to the facility that processes petroleum as defined in the Standard Industrial Classification Manual as Industry No. 2911 - Petroleum Refining, as well as its directly associated sulfur recovery plant which may be located outside of the facility.

[RULE 2004, 5-11-2001; RULE 2004, 4-6-2007]

FACILITY PERMIT TO OPERATE TESORO REFINING AND MARKETING CO, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

F34.1 The operator shall not sell refinery gas containing sulfur compounds in excess of 40 ppmv, calculated as hydrogen sulfide, averaged over 4-hour period.

[RULE 431.1, 6-12-1998]

F52.1 This facility is subject to the applicable requirements of the following rules or regulation(s):

40CFR79

40CFR80

[40CFR 79, 7-1-1999; 40CFR 80, 7-1-1999]

F52.2 This facility is subject to the applicable requirements of the following rules or regulation(s):

40CFR61, Subpart FF

[40CFR 61 Subpart FF, 12-4-2003]

F52.3 This facility is subject to the applicable requirements of the following rules or regulation(s):

40CFR60 Subpart A

40CFR61 Subpart A

40CFR63 Subpart A

[40CFR 60 Subpart A, 6-13-2007; 40CFR 61 Subpart A, 5-16-2007; 40CFR 63 Subpart A, 5-16-2007]

F52.4 This facility is subject to the applicable requirements of the following rules or regulation(s):

Consent Decree Civil No. H-01-0978, 3-21-2001

[CONSENT DECREE, 3-21-2001]

FACILITY PERMIT TO OPERATE TESORO REFINING AND MARKETING CO, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

F60.1 The emission limits identified in Section D and H of the permit shall be defined as emissions discharged to the atmosphere from the originating equipment.

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, 12-4-2003]

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

SYSTEM CONDITIONS

S1.1 The operator shall limit the loading rate to no more than 1262500 barrel(s) in any one year.

For the purpose of this condition, loading rate shall be defined as the combined loading rate of D790 in Process 14, System 4 and D1040 in Process 14, System 5, and shall be recorded by shipping records.

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

[Systems subject to this condition : Process 14, System 4 , 5]

S2.1 The operator shall limit emissions from this system as follows

CONTAMINANT	EMISSIONS LIMIT
VOC	Less than 2.5 lbs/mmscf of hydrogen produced

[RULE 1189, 1-21-2000]

FACILITY PERMIT TO OPERATE TESORO REFINING AND MARKETING CO, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

[Systems subject to this condition : Process 6, System 1 , 3]

S7.1 The following conditions shall apply to all coke handling and related devices from this system:

The operator shall drive all outgoing petroleum coke trucks, whether filled or empty, through the truck wash system in order to thoroughly wash any residual coke off the exterior of the trucks.

The operator shall clean or wet down the ground area below the conveyors to prevent airborne dust.

The operator shall wash exterior conveyors and return belts, overhead structures and ground area down to the coke laden water return system to avoid accumulation of coke dust.

[**RULE 1158, 6-11-1999**; RULE 1158, 7-11-2008]

[Systems subject to this condition : Process 2, System 8]

S7.2 The following conditions shall apply to all coke handling and related devices from this system:

The operator shall drive all outgoing petroleum coke trucks, whether filled or empty, through the truck wash system in order to thoroughly wash any residual coke off the exterior of the trucks.

The operator shall clean or wet down the ground area below the conveyors to prevent airborne dust.

The operator shall wash exterior conveyors and return belts, overhead structures and ground area down to the coke laden water return system to avoid accumulation of coke dust.

The operator shall drain raw coke from the coker pit before loading to the conveyor hopper to minimize spillage of coke from elevated inclined conveyors.

FACILITY PERMIT TO OPERATE TESORO REFINING AND MARKETING CO, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

[RULE 1158, 6-11-1999; RULE 1158, 7-11-2008]

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

S11.2 The operator shall comply with all applicable mitigation measures stipulated in the "Statement of Findings, Statement of Overriding Considerations, and Mitigation Monitoring Plan" document which is part of the AQMD Certified Final Environmental Impact Report dated 15-oct-2001 for this facility.

This condition shall only apply to equipment listed in Section H of this facility permit.

[CA PRC CEQA, 11-23-1970]

[Systems subject to this condition : Process 4, System 3 , 7]

S11.3 The operator shall comply with all applicable mitigation measures stipulated in the "Statement of Findings, Statement of Overriding Considerations, and Mitigation Monitoring Plan" document which is part of the AQMD Certified Final Environmental Impact Report dated 04-10-2009 for this facility.

This condition shall only apply to equipment listed in Section H of this facility permit.

[CA PRC CEQA, 11-23-1970]

[Systems subject to this condition : Process 17, System 4]

S13.2 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	40CFR60, SUBPART	QQQ

[40CFR 60 Subpart QQQ, 10-17-2000]

FACILITY PERMIT TO OPERATE TESORO REFINING AND MARKETING CO, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

[Systems subject to this condition : Process 4, System 7; Process 6, System 3; Process 12, System 1 , 2; Process 23, System 1]

S13.3 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
PM	District Rule	1158

[RULE 1158, 6-11-1999; RULE 1158, 7-11-2008]

[Systems subject to this condition : Process 2, System 8 , 9]

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 , 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; Process 12, System 8; Process 19, System 3; Process 21, System 1 , 2 , 3 , 4]

S13.5 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1176

[RULE 1176, 9-13-1996]

[Systems subject to this condition : Process 12, System 1 , 2 , 3 , 4 , 7; Process 19, System 4]

FACILITY PERMIT TO OPERATE TESORO REFINING AND MARKETING CO, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

S13.6 All devices under this system are subject to the applicable requirements of the following rules or regulations:

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

[RULE 1149, 7-14-1995; RULE 1149, 5-2-2008; RULE 463, 5-6-2005]

[Systems subject to this condition : Process 15, System 3]

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 1149, 5-2-2008; RULE 1178, 4-7-2006; RULE 463, 5-6-2005]

[Systems subject to this condition : Process 15, System 1 , 2 , 7]

S13.8 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	461

[RULE 461, 6-3-2005; RULE 461, 3-7-2008]

[Systems subject to this condition : Process 19, System 1 , 2]

FACILITY PERMIT TO OPERATE TESORO REFINING AND MARKETING CO, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

S13.9 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

For Rule 463 applicability, only subdivision (d) in the March 11,1994 amendment, or equivalent requirements in the future amendments, shall apply to domed external floating roof tanks. This does not preclude any requirements specified in Rule 1178

[RULE 1149, 7-14-1995; RULE 1149, 5-2-2008; RULE 1178, 4-7-2006; RULE 463, 5-6-2005]

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

S15.1 The vent gases from all affected devices of this process/system shall be vented as follows:

All emergency vent gases shall be directed to a blowdown flare system.

This process/system shall not be operated unless the refinery 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]

[Systems subject to this condition : Process 15, System 3]

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

FACILITY PERMIT TO OPERATE TESORO REFINING AND MARKETING CO, LLC

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

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

S15.3 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 (process 21, system 3) consisting of compressors, D641, D642, D643, and/or D644, which can be operated independently to maintain a system vacuum that efficiently collects all vented gases or the flare gas recovery system (process 21, system 4).

This process/system shall not be operated unless the vapor recovery system (process 21, system 3) or flare gas recovery system (process 21, system 4) 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 2; Process 2, System 3, 6; Process 3, System 2, 4; Process 4, System 1, 3, 5, 7; Process 5, System 1, 3, 5; Process 6, System 1; Process 8, System 1; Process 9, System 2; Process 21, System 4]

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

FACILITY PERMIT TO OPERATE TESORO REFINING AND MARKETING CO, LLC

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

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]

S15.6 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, D642, D643, and/or D644, which can be operated independently to maintain a system vacuum that efficiently collects all vented gases.

This process/system shall not be operated unless the blowdown 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 12, System 7; Process 14, System 4 , 5]

S15.7 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 to the fume scrubber system (P21, S2), and then to the boiler system (P18) with at least one of four boilers (D722-5) in operation.

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

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

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

[Systems subject to this condition : Process 14, System 1; Process 15, System 4]

S15.8 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 the flare system.

This process/system shall not be operated unless the flare(s) 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 14, System 2 , 3]

S15.9 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 (process 21 system 3) consisting of compressors, D641, D642, D643, and/or D644, which can be operated independently to maintain a system vacuum that efficiently collects all vented gases, or the flare gas recovery system (process 21, system 4) except Device D1151 that vents to the atmosphere.

This process/system shall not be operated unless the vapor recovery system(process 21, system3) or flare gas recovery system (process 21, system 4) 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 2, System 1]

S15.10 The vent gases from all affected devices of this process/system shall be vented as follows:

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

All sour gases under normal operating conditions shall be directed to the amine absorber(s) located in this system.

This process/system shall not be operated unless the absorber(s) 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 2, System 1; Process 4, System 7; Process 8, System 1]

S15.11 The vent gases from all affected devices of this process/system shall be vented as follows:

All sour gases under normal operating conditions shall be directed to the fuel gas treating system(s) (Process 12, System 8 or Process 4, System 9).

This process/system shall not be operated unless the fuel gas treating system(s) 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 2, System 6; Process 21, System 3 , 4]

S15.12 The vent gases from all affected devices of this process/system shall be vented as follows:

All sour gases under normal operating conditions shall be directed to the FCCU gas treating system.

This process/system shall not be operated unless the FCCU gas treating 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 3, System 1 , 2]

S15.13 The vent gases from all affected devices of this process/system shall be vented as follows:

FACILITY PERMIT TO OPERATE TESORO REFINING AND MARKETING CO, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

All sour gases under normal operating conditions shall be directed to the fuel gas treating system (Process 4, System 9) or to the scrubber located in Process 8, System 1.

This process/system shall not be operated unless the fuel gas treating system or the scrubber 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 4, System 1 , 3 , 5]

S18.1 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)

Treating/Stripping Units (Process: 12, System: 1 & 7)

Loading/Unloading (Process: 14, System: 4 & 5)

Isomerization Unit (Process: 23, System: 1)

FACILITY PERMIT TO OPERATE TESORO REFINING AND MARKETING CO, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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

[Systems subject to this condition : Process 21, System 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)

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]

FACILITY PERMIT TO OPERATE TESORO REFINING AND MARKETING CO, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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

- S18.3 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:

Inorganic Chemical Loading and Unloading (Process: 14, System: 1)

Miscellaneous Storage Tanks (Process: 15, System: 4)

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

[Systems subject to this condition : Process 21, System 2]

- S18.4 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:

DCU Blowdown Recovery System (Process: 2, System: 6)

Refinery Vapor Recovery System (Process: 21, System: 3)

Flare Gas Recovery System (Process: 21, System: 4)

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

[Systems subject to this condition : Process 4, System 9; Process 12, System 8]

- S18.5 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:

FCCU Recovery System (Process: 3, System: 1)

FCCU Cracking Section (Process: 3, System: 2)

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

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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

[Systems subject to this condition : Process 3, System 5]

S18.6 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)

Treating/Stripping Units (Process: 12, System: 1 & 7)

Loading/Unloading (Process: 14, System: 4 & 5)

Isomerization Unit (Process: 23, System: 1)

[RULE 1118, 11-4-2005; RULE 1303(a)(1)-BACT, 5-10-1996]

[Systems subject to this condition : Process 21, System 4]

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, 376627, 376628, 381228, 435139, 457927, 501287 & 501288:

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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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

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

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

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.

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

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

1173 shall be inspected monthly using EPA Method 21.

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.

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.

[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, System 1; Process 9, System 1; Process 15, System 3; Process 23, System 1]

S31.2 The following BACT requirements shall apply to VOC service fugitive components associated with the devices that are covered by application number(s) 501291, 494382 & 472872:

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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

All new valves and major components in VOC service as defined by Rule 1173, except those specifically exempted by Rule 1173 and those in heavy liquid service as defined in Rule 1173, shall be distinctly identified from other components through their tag numbers (e.g. numbers ending in the letter "N"), and shall be noted in the records.

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

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

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 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.

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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 records of the monthly inspection (and quarterly where applicable), subsequent repair, and re-inspection, 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)-BACT, 5-10-1996]

[Systems subject to this condition : Process 21, System 4]

- S31.3 The following BACT requirements shall apply to VOC service fugitive components associated with the devices that are covered by application number(s) 470262, 470291, 484368 & 484369:

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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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

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

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

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.

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.

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

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

relief device, diaphragm, hatch, sight-glass, and meter, which are not exempt by Rule 1173.

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.

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

[Systems subject to this condition : Process 1, System 4; Process 12, System 7; Process 17, System 4]

- 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:

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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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

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

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.

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]

S31.5 The following BACT requirements shall apply to VOC service fugitive components associated with the devices that are covered by application number(s) 526722:

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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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

FACILITY PERMIT TO OPERATE TESORO REFINING AND MARKETING CO, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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.

All new process drains are subject to District Rule 1176 and 40 CFR Subpart QQQ

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.

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(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Systems subject to this condition : Process 2, System 10]

S42.1 The operator shall not operate the FCCU unless the operator complies with the emission limits of the following Rule:

FACILITY PERMIT TO OPERATE TESORO REFINING AND MARKETING CO, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Contaminant	Rule	Rule/Subpart
PM10	District Rule	1105.1
NH3	District Rule	1105.1

If the operator fails to comply with any of the terms and conditions listed below, the operator shall be subject to the compliance deadlines as specified in Rule 1105.1(d)(1).

1. Award contract(s) to construct and install the control technology by April 28, 2006.
2. Commence construction phase of the control technology permitted by AQMD for compliance with Rule 1105.1(d)(1) by the later of May 1, 2006 or within 30 days of receiving permit. These dates may be extended in writing by the Executive Officer upon a request by Equilon if the CEQA document is not finalized by April 30, 2006. Such extension(s) shall not be for a period more than five months after the original deadline listed in this paragraph.
3. Start operation of the control technology permitted to ensure compliance with Rule 1105.1 (d)(1) by April 30, 2007.
4. Comply with Rule 1105.1 (d)(1) requirements no later than June 30, 2007.

[RULE 1105.1, 11-7-2003]

[Systems subject to this condition : Process 3, System 6]

DEVICE CONDITIONS

D. Monitoring/Testing Requirements

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

FACILITY PERMIT TO OPERATE TESORO REFINING AND MARKETING CO, LLC

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 also install and maintain a device to continuously record the parameter being monitored.

[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]

FACILITY PERMIT TO OPERATE TESORO REFINING AND MARKETING CO, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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.

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**]

FACILITY PERMIT TO OPERATE TESORO REFINING AND MARKETING CO, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

[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 40 CFR60 Subpart A

[40CFR 60 Subpart A, 6-13-2007]

[Devices subject to this condition : C747, C748]

H. Applicable Rules

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 : D918, D1082]

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 : D1419, D1557]

FACILITY PERMIT TO OPERATE TESORO REFINING AND MARKETING CO, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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, SUBPART	GGG

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

[Devices subject to this condition : D1365, D1392]

H23.30 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	465

[RULE 465, 8-13-1999]

[Devices subject to this condition : D1701, D1702, D1703]

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

Contaminant	Rule	Rule/Subpart
SOX	District Rule	1118

[RULE 1118, 11-4-2005]

[Devices subject to this condition : C747, C748]

H23.39 This equipment is subject to the applicable requirements of the following rules or regulations:

FACILITY PERMIT TO OPERATE TESORO REFINING AND MARKETING CO, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1173
VOC	40CFR60, SUBPART	GGGa

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

[Devices subject to this condition : D1557, D1700]

L. Expiration Date

L341.4 Within 90 days after start-up of this equipment, the following device(s) shall be removed from operation:

Vacuum Tower (V-899) identified by Device No. D12

First Stage Ejector/Condenser identified by Device No. D1558

Second Stage Ejector/Condenser identified by Device No. D1559

Third stage Ejector/Condenser identified by Device No. D1560

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1313(d), 12-7-1995]

[Devices subject to this condition : D1700, D1701, D1702, D1703]