FACILITY PERMIT TO OPERATE

TESORO REFINING AND MARKETING CO
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
for Mohsen Nazemi, P.E.
Deputy Executive Officer
Engineering & Compliance

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 Copley Drive, Diamond Bar, CA 91765

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO

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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:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: CRUDE DISTILLATION					P13.1
System 3: CRUDE DISTILLATION HEATER					
HEATER, CRUDE, H-1, PROCESS GAS, REFINERY GAS, WITH LOW NOX BURNER, AIR PREHEATING, 198.98 MMBTU/HR WITH A/N: 470259 † Permit to Construct Issued 05/13/99	D9	D76 D77 C764	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	CO: 35 PPMV (5) **[RULE 1303(a)(1)-BACT, 5-10-1996]**; CO: 2000 PPMV (5A) **[RULE 407, 4-2-1982]**; PM: (9) **[RULE 404, 2-7-1986]**; PM: 0.1 GRAINS/SCF (5) **[RULE 409, 8-7-1981]**	A63.10, A305.1, B61.1, D28.3, D90.7, D328.1, H23.3, I296.1
BURNER, REFINERY GAS, JOHN ZINK, MODEL PSMR-17, WITH LOW NOX BURNER, 12 TOTAL; 198.98 MMBTU/HR					
System 4: CRUDE DESALTER					S31.1
VESSEL, DESALTER, V-2183, FIRST STAGE, HEIGHT: 20 FT , DIAMETER: 16 FT A/N: 470262 † Permit to Construct Issued: 08/04/00	D1478				
VESSEL, DESALTER, V-2184, SECOND STAGE, HEIGHT 20 FT ; DIAMETER 16 FT A/N: 470262 † Permit to Construct Issued: 08/04/00	D1479				
Process 2: COKING AND RESIDUAL CONDITIONING					P13.1
System 1: DELAYED COKING UNIT (DCU)					S11.3, S13.4, S15.2, S15.9, S15.10, S31.1

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(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

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Process 2: COKING AND RESIDUAL CONDITIONING					P13.1
FRACTIONATOR, FC-105 (V-900), HEIGHT: 147 FT 9 IN; DIAMETER: 16 FT A/N: 501288 Permit to Construct Issued: 10/16/09	D10				I30.1
COLUMN, STRIPPER, FC-106 (V-902), LIGHT GAS-OIL, HEIGHT: 25 FT ; DIAMETER: 4 FT 6 IN A/N: 501288 Permit to Construct Issued: 10/16/09	D1132				I30.1
COLUMN, STRIPPER, FC-107 (V-903), INTERMEDIATE GAS-OIL, HEIGHT: 25 FT ; DIAMETER: 4 FT 6 IN A/N: 501288 Permit to Construct Issued: 10/16/09	D1133				I30.1
COLUMN, STRIPPER, FC-108 (V-904), HEAVY GAS-OIL, HEIGHT: 25 FT ; DIAMETER 4 FT 6 IN A/N: 501288 Permit to Construct Issued: 10/16/09	D1134				I30.1
DRUM, FLASH, FC-131 (V-927), FRESH FEED, LENGTH: 33 FT ; DIAMETER: 15 FT A/N: 501288 Permit to Construct Issued: 10/16/09	D11				I30.1
DRUM, SURGE, FC-135 (V-931), LGO, HEIGHT: 16 FT ; DIAMETER: 3 FT 6 IN A/N: 501288 Permit to Construct Issued: 10/16/09	D1135				I30.1
VESSEL, DESALTER, FC-137 (V-933), LENGTH: 90 FT ; DIAMETER: 12 FT A/N: 501288 Permit to Construct Issued 10/16/09	D1136				I30.1

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Process 2: COKING AND RESIDUAL CONDITIONING					P13.1
DRUM, COKER HEATER SURGE, FC-146 (V-901), HEIGHT: 18 FT 6 IN; DIAMETER: 16 FT A/N: 501288 Permit to Construct Issued: 10/16/09	D1137				I30.1
SUMP, GLAND OIL, WIDTH: 5 FT ; DEPTH: 7 FT ; LENGTH: 5 FT A/N: 501288 Permit to Construct Issued: 10/16/09	D1141				I30.1
ACCUMULATOR, FRACTIONATOR OVERHEAD, FC-109 (V-905), LENGTH: 36 FT ; DIAMETER: 10 FT A/N: 501288 Permit to Construct Issued: 10/16/09	D15				I30.1
SCRUBBER, COMPRESSOR SUCTION, FC-110 (V-906), HEIGHT: 8 FT ; DIAMETER: 7 FT 6 IN A/N: 501288 Permit to Construct Issued: 10/16/09	D16				I30.1
ACCUMULATOR, FIRST STAGE DISCHARGE, FC-111 (V-907), LENGTH 10 FT ; DIAMETER: 5 FT 6 IN A/N: 501288 Permit to Construct Issued: 10/16/09	D17				I30.1
ACCUMULATOR, SECOND STAGE DISCHARGE, FC-112 (V-908), LENGTH: 10 FT ; DIAMETER: 4 FT 6 IN A/N: 501288 Permit to Construct Issued 10/16/09	D18				I30.1

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Process 2: COKING AND RESIDUAL CONDITIONING					P13.1
ABSORBER, SPONGE OIL, FC-114 (V-910), HEIGHT: 57 FT 6 IN; DIAMETER: 3 FT 6 IN A/N: 501288 Permit to Construct Issued: 10/16/09	D1143				I30.1
VESSEL, WATER COALESCER, V-2379, LENGTH: 12 FT 2 IN; DIAMETER: 4 FT A/N: 501288 Permit to Construct Issued: 10/16/09	D1661				I30.1
DRUM, COKE, FC-100-103 (V-895-898), 4 TOTAL, HEIGHT: 68 FT ; DIAMETER: 26 FT A/N: 501288 Permit to Construct Issued: 10/16/09	D20			PM: (9) [RULE 405, 2-7-1986]	E336 3, I30.1
ACCUMULATOR, FC-126 (V-922), COKE DRUM CONDENSATE, LENGTH: 15 FT ; DIAMETER: 5 FT A/N: 501288 Permit to Construct Issued: 10/16/09	D1147				I30.1
COLUMN, DEBUTANIZER, FC-115 (V-911), HEIGHT: 85 FT 6 IN; DIAMETER: 5 FT 6 IN A/N: 501288 Permit to Construct Issued: 10/16/09	D906				I30.1
ACCUMULATOR, DEBUTANIZER OVERHEAD, FC-116 (V-912), LENGTH: 19 FT ; DIAMETER: 6 FT A/N: 501288 Permit to Construct Issued: 10/16/09	D24				I30.1

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Process 2: COKING AND RESIDUAL CONDITIONING					P13.1
COLUMN, DEPROPANIZER, FC-117 (V-913), HEIGHT: 93 FT 1 IN; DIAMETER: 5 FT A/N: 501288 Permit to Construct Issued: 10/16/09	D25				I30.1
ACCUMULATOR, DEPROPANIZER OVERHEAD, FC-118 (V-914), LENGTH: 11 FT ; DIAMETER: 4 FT 4 IN A/N: 501288 Permit to Construct Issued: 10/16/09	D900				I30.1
COLUMN, SPLITTER, FC-119 (V-915), NAPHTHA, HEIGHT: 84 FT 1 IN; DIAMETER: 7 FT A/N: 501288 Permit to Construct Issued: 10/16/09	D26				I30.1
ACCUMULATOR, NAPHTHA SPLITTER OVERHEAD, FC-120 (V-916), HEIGHT: 14 FT ; DIAMETER: 5 FT 6 IN A/N: 501288 Permit to Construct Issued: 10/16/09	D27				I30.1
SCRUBBER, V-917, SPONGE OIL ABSORBER GAS, HEIGHT: 8 FT ; DIAMETER: 3 FT 6 IN A/N: 501288 Permit to Construct Issued: 10/16/09	D1149				I30.1
ABSORBER, AMINE, FC-122 (V-918), RESIDUE GAS, HEIGHT: 40 FT ; DIAMETER: 3 FT A/N: 501288 Permit to Construct Issued: 10/16/09	D28				I30.1

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Process 2: COKING AND RESIDUAL CONDITIONING					P13.1
SCRUBBER, RESIDUE GAS, FC-123 (V-919), HEIGHT: 8 FT ; DIAMETER: 3 FT A/N: 501288 Permit to Construct Issued: 10/16/09	D1088				I30.1
ABSORBER, AMINE, FC-124 (V-920), PROPANE/PROPYLENE, HEIGHT: 30 FT ; DIAMETER: 5 FT A/N: 501288 Permit to Construct Issued: 10/16/09	D29				I30.1
VESSEL, SEPARATOR, FC-130 (V-926), AMINE, LENGTH: 10 FT ; DIAMETER 3 FT 6 IN A/N: 501288 Permit to Construct Issued: 10/16/09	D30				I30.1
DRUM, FLASH, FC-147 (V-942), RICH AMINE, LENGTH: 15 FT ; DIAMETER: 8 FT 6 IN A/N: 501288 Permit to Construct Issued: 10/16/09	D31				I30.1
PIT, COKE, WITH FOUR COKE DRUM CHUTES, WIDTH: 36 FT ; HEIGHT: 21 FT ; LENGTH: 585 FT A/N: 501288 Permit to Construct Issued: 10/16/09	D1151			PM: (9) [RULE 405, 2-7-1986]	I30.1
COMPRESSOR, OVERHEAD, C-145 A/N: 501288 Permit to Construct Issued: 10/16/09	D901				H23.4, I30.1
VESSEL, H-100/101, FUEL GAS, 2 TOTAL A/N: 501288 Permit to Construct Issued: 10/16/09	D904				I30.1

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Process 2: COKING AND RESIDUAL CONDITIONING					P13.1
COMPRESSOR, C-87 A/N: 501288 Permit to Construct Issued 10/16/09	D969				I30.1
DRUM, RICH OIL FLASH DRUM, V-2332, LENGTH: 10 FT ; DIAMETER: 3 FT 6 IN A/N: 501288 Permit to Construct Issued: 10/16/09	D1567				E336.2, I30.1
HEAT EXCHANGER, PROPANE VAPORIZER E-1465 A/N: 501288 Permit to Construct Issued: 10/16/09	D1616				I30.1
COLUMN, DEETHANIZER, FC-113 (V-909), HEIGHT: 104 FT 2 IN; DIAMETER: 8 FT 6 IN A/N: 501288 Permit to Construct Issued: 10/16/09	D19				I30.1
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 501288 Permit to Construct Issued: 10/16/09	D1357			**HAP: (10) [40CFR 63 Subpart CC, #5A, 6-23-2003]**	H23.5, I30.1
System 6: DCU BLOWDOWN RECOVERY SYSTEM					S13.4, S15.2, S15.3, S15.11
ACCUMULATOR, BLOWDOWN, FC-127 (V-923), LENGTH: 20 FT ; DIAMETER: 10 FT A/N: 472871 Permit to Construct Issued: 11/29/07	D53				
VESSEL, BLOWDOWN CONTACTOR, FC-128 (V-924), HEIGHT: 40 FT ; DIAMETER: 16 FT A/N: 472871 Permit to Construct Issued: 11/29/07	D1152				

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Process 2: COKING AND RESIDUAL CONDITIONING					P13.1
KNOCK OUT POT, DISCHARGE, V-1400, HEIGHT: 7 FT 8 IN; DIAMETER: 3 FT A/N: 472871 Permit to Construct Issued: 11/29/07	D63				
DRUM, FLARE SEAL, V-1613, LENGTH: 19 FT 6 IN; DIAMETER: 6 FT A/N: 472871 Permit to Construct Issued: 11/29/07	D65				
COMPRESSOR, C-137, BLOWDOWN, ALSO SERVES AS FLARE GAS RECOVERY COMPRESSOR AS NEEDED A/N: 472871 Permit to Construct Issued: 11/29/07	D68				H23.4
DRUM, V-1613, DCU FLARE SEAL, HEIGHT: 25 FT ; DIAMETER: 5 FT A/N: 472871 Permit to Construct Issued: 11/29/07	D1350				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 472871 Permit to Construct Issued: 11/29/07	D1361			**HAP**: (10) **[40CFR 63 Subpart CC, #5A, 6-23-2003]**	H23.5
System 8: COKE HANDLING, SCREENING AND LOADING					S7.1, S13.3
HOPPER, RECEIVING, QQ-942, PETROLEUM COKE, PORTABLE A/N: 475398 Permit to Construct Issued: 01/29/08	D1155			**PM**: (9) **[RULE 405, 2-7-1986]**	A63.6, D323.1
STORAGE BUILDING, PETROLEUM COKE BARN A/N: 475398 Permit to Construct Issued: 01/29/08	D1438			**PM**: (9) **[RULE 405, 2-7-1986]**	A63.6, D323.1

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Process 2: COKING AND RESIDUAL CONDITIONING					P13.1
FEEDER, SPREADER, QQ-943, PORTABLE, PETROLEUM COKE A/N: 475398 Permit to Construct Issued: 01/29/08	D1160			PM: (9) [RULE 405, 2-7-1986]	A63.6, D323.1
CONVEYOR, BELT, QQ-944, PETROLEUM COKE, PORTABLE A/N: 475398 Permit to Construct Issued: 01/29/08	D1156			PM: (9) [RULE 405, 2-7-1986]	A63.6, D323.1
CONVEYOR, BELT, QQ-950, PETROLEUM COKE, WITH AN ENCLOSED TRANSFER POINT, 733 FEET LONG A/N: 475398 Permit to Construct Issued: 01/29/08	D1157			PM: (9) [RULE 405, 2-7-1986]	A63.6, D323.1
CONVEYOR, BELT, QQ-951, PETROLEUM COKE, COVERED, 33 FEET LONG, WITH AN ENCLOSED TRANSFER POINT A/N: 475398 Permit to Construct Issued: 01/29/08	D1158			PM: (9) [RULE 405, 2-7-1986]	A63.6, D323.1
CONVEYOR, BELT, QQ-952, PETROLEUM COKE, TUBE ENCLOSED WITH FIXED DISCHARGE, 90 FEET LONG A/N: 475398 Permit to Construct Issued 01/29/08	D1159			PM: (9) [RULE 405, 2-7-1986]	A63.6, D323.1
HOPPER, SCREEN FEED, QQ-972-75, 4 TOTAL, PETROLEUM COKE, EACH 60 TONS A/N: 475398 Permit to Construct Issued: 01/29/08	D34			PM: (9) [RULE 405, 2-7-1986]	A63.6, D323.1

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Process 2: COKING AND RESIDUAL CONDITIONING					P13.1
CONVEYOR, BELT, QQ-968-971, 4 TOTAL, PETROLEUM COKE, COVERED, EACH 14 FEET LONG A/N: 475398 Permit to Construct Issued: 01/29/08	D41			PM: (9) [RULE 405, 2-7-1986]	A63.6, D323.1
SCREEN, CLASSIFYING, QQ-964/965, PETROLEUM COKE, 2 TOTAL, DOUBLE-DECK VIBRATING TYPE, WIDTH: 8 FT ; LENGTH: 20 FT A/N: 475398 Permit to Construct Issued: 01/29/08	D45			PM: (9) [RULE 405, 2-7-1986]	A63.6, D323.1
CONVEYOR, BELT, QQ-954/955, 2 TOTAL, PETROLEUM COKE, COVERED, REVERSIBLE TYPE, EA. W/ AN ENCLOSED TRANSFER POINT AND 61 FT LONG A/N: 475398 Permit to Construct Issued: 01/29/08	D49			PM: (9) [RULE 405, 2-7-1986]	A63.6, D323.1
CONVEYOR, BELT, QQ-959, PETROLEUM COKE, COVERED, WITH AN ENCLOSED TRANSFER POINT, 185 FEET LONG A/N: 475398 Permit to Construct Issued: 01/29/08	D46			PM: (9) [RULE 405, 2-7-1986]	A63.6, D323.1
CONVEYOR, QQ-960, PETROLEUM COKE, COVERED, SHUTTLE BELT TYPE, WITH AN ENCLOSED TRANSFER POINT, 80 FEET LONG A/N: 475398 Permit to Construct Issued: 01/29/08	D47			PM: (9) [RULE 405, 2-7-1986]	A63.6, D323.1

* (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.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

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	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 2: COKING AND RESIDUAL CONDITIONING					P13.1
HOPPER, RAIL CAR /TRUCK LOADING, QQ-945, PETROLEUM COKE, THREE 45 TON CAPACITY SECTIONS WITH A/N: 475398 Permit to Construct Issued: 01/29/08	D1162			PM: (9) [RULE 405, 2-7-1986]	A63.6, D323.1
LOADING ARM, RAIL CAR, TANK TRUCK, LOADING CHUTE, 3 TOTAL, PETROLEUM COKE, EACH WITH AN ELEVATION HOIST AND AN EXTENSION DRIVE					
CONVEYOR, BELT, QQ-956, PETROLEUM COKE, COVERED, WITH AN ENCLOSED TRANSFER TOWER, 255 FEET LONG A/N: 475398 Permit to Construct Issued: 01/29/08	D1161			PM: (9) [RULE 405, 2-7-1986]	A63.6, D323.1
CONVEYOR, BELT, QQ-957, PETROLEUM COKE, COVERED, WITH AN ENCLOSED TRANSFER POINT, 152 FEET LONG A/N: 475398 Permit to Construct Issued: 01/29/08	D1164			PM: (9) [RULE 405, 2-7-1986]	A63.6, D323.1
CONVEYOR, QQ-958, PETROLEUM COKE, SHUTTLE BELT TYPE, 52 FEET LONG, WITH A FEEDER A/N: 475398 Permit to Construct Issued: 01/29/08	D1165			PM: (9) [RULE 405, 2-7-1986]	A63.6, D323.1
Process 3: FLUID CATALYTIC CRACKING (FCCU)					P13.1
System 1: FCCU RECOVERY SECTION					S13.4, S15.2, S15.12, S31.1

* (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

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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	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 3: FLUID CATALYTIC CRACKING (FCCU)					P13.1
ABSORBER, V-406, HEIGHT: 64 FT 4 IN; DIAMETER: 4 FT 6 IN A/N: 472873 Permit to Construct Issued: 11/29/07	D78				
TOWER, SPLITTER, HEAVY NAPHTHA, V-407, HEIGHT: 47 FT ; DIAMETER: 5 FT 6 IN A/N: 472873 Permit to Construct Issued: 11/29/07	D1267				
TOWER, RERUN, V-408, HEIGHT: 82 FT ; DIAMETER: 7 FT A/N: 472873 Permit to Construct Issued: 11/29/07	D1268				
TOWER, SPLITTER, LIGHT NAPHTHA, V-409, HEIGHT: 60 FT ; DIAMETER: 8 FT 6 IN A/N: 472873 Permit to Construct Issued: 11/29/07	D1269				
COLUMN, DEPROPANIZER, V-410, HEIGHT: 80 FT ; DIAMETER: 6 FT A/N: 472873 Permit to Construct Issued: 11/29/07	D908				
ACCUMULATOR, V-413, HEIGHT: 10 FT ; DIAMETER: 5 FT A/N: 472873 Permit to Construct Issued: 11/29/07	D79				
DRUM, V-414, RERUN REFLUX A/N: 472873 Permit to Construct Issued: 11/29/07	D915				
ACCUMULATOR, V-415, SPLITTER TOWER REFLUX, HEIGHT: 19 FT ; DIAMETER: 5 FT 7 IN A/N: 472873 Permit to Construct Issued: 11/29/07	D80				

* (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

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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	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 3: FLUID CATALYTIC CRACKING (FCCU)					P13.1
ACCUMULATOR, V-416, DEPROPANIZER TOWER REFLUX, LENGTH: 19 FT ; DIAMETER: 6 FT 6 IN A/N: 472873 Permit to Construct Issued: 11/29/07	D81				
DRUM, DRYING, LOW PRESSURE, V-419, HEIGHT: 20 FT ; DIAMETER: 10 FT A/N: 472873 Permit to Construct Issued: 11/29/07	D82				
VESSEL, SURGE, V-423, AVGAS CHARGE, HEIGHT: 19 FT ; DIAMETER: 7 FT 7 IN A/N: 472873 Permit to Construct Issued: 11/29/07	D84				
DRUM, DRYING, V-424, RERUN TOWER GAS, HEIGHT: 10 FT ; DIAMETER: 3 FT 6 IN A/N: 472873 Permit to Construct Issued: 11/29/07	D85				
KNOCK OUT POT, FLARE, V-431, LENGTH: 13 FT ; DIAMETER: 6 FT A/N: 472873 Permit to Construct Issued: 11/29/07	D1271				
DRUM, PRESSURE RELIEVING SEAL, V-432, HEIGHT: 43 FT ; DIAMETER: 4 FT 4 IN A/N: 472873 Permit to Construct Issued: 11/29/07	D86			**HAP: (10) [40CFR 63 Subpart CC, #2, 6-23-2003]**	

* (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.

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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	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 3: FLUID CATALYTIC CRACKING (FCCU)					P13.1
POT, DEETHANIZER WATER DRAIN, V-547, HEIGHT: 6 FT ; DIAMETER: 1 FT 6 IN A/N: 472873 Permit to Construct Issued: 11/29/07	D1273				
DRUM, WATER DRAW-OFF, V-675, LENGTH: 4 FT 8 IN; DIAMETER: 4 FT A/N: 472873 Permit to Construct Issued: 11/29/07	D1275				
KNOCK OUT POT, VAPOR RECOVERY, V-676, LENGTH: 4 FT 4 IN; DIAMETER: 2 FT A/N: 472873 Permit to Construct Issued: 11/29/07	D1272				
KNOCK OUT POT, V-1100, NAPHTHA, LENGTH: 12 FT 6 IN; DIAMETER: 3 FT A/N: 472873 Permit to Construct Issued: 11/29/07	D912				
TOWER, DEBUTANIZER, V-1547, HEIGHT: 100 FT 6 IN; DIAMETER: 7 FT A/N: 472873 Permit to Construct Issued: 11/29/07	D1280				
COLUMN, DEETHANIZER, V-1548, HEIGHT: 12 FT 6 IN; DIAMETER: 6 FT A/N: 472873 Permit to Construct Issued: 11/29/07	D910				

* (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

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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	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 3: FLUID CATALYTIC CRACKING (FCCU)					P13.1
ACCUMULATOR, V-1549, DEBUTANIZER REFLUX, HEIGHT: 20 FT ; DIAMETER: 7 FT A/N: 472873 Permit to Construct Issued: 11/29/07	D913				
KNOCK OUT POT, V-1789, PROPANE/PROPYLENE, HEIGHT: 8 FT 6 IN; DIAMETER: 24 FT A/N: 472873 Permit to Construct Issued: 11/29/07	D909				
COMPRESSOR, RERUN TOWER GAS, C-43/44, 2 TOTAL, 4 CYLINDERS A/N: 472873 Permit to Construct Issued: 11/29/07	D87				
COMPRESSOR, C-142, WET GAS A/N: 472873 Permit to Construct Issued: 11/29/07	D918				H23.4
VESSEL, SEPARATOR, HIGH PRESSURE, V-2343, LENGTH: 22 FT ; DIAMETER: 8 FT A/N: 472873 Permit to Construct Issued: 11/29/07	D1597				
VESSEL, SEPARATOR, SOUR WATER FLASH , V-2344, LENGTH: 25 FT ; DIAMETER: 8 FT 6 IN A/N: 472873 Permit to Construct Issued: 11/29/07	D1598				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 472873 Permit to Construct Issued: 11/29/07	D1365			**HAP: (10) [40CFR 63 Subpart CC, #5A, 6-23-2003]**	H23.16
System 2: FCCU CRACKING SECTION					S13.4, S15.2, S15.3, S15.12

* (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.

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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	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 3: FLUID CATALYTIC CRACKING (FCCU)					P13.1
REGENERATOR, V-404, WITH DENOX ADDITIVE, HEIGHT: 42 FT 6 IN; DIAMETER: 42 FT WITH A/N: 470269 † Permit to Construct Issued: 02/07/07	D96	C1575 C1576 C1577	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	CO: 500 PPMV (8) [40CFR 60 Subpart J, 6-24-2008; CONSENT DECREE, 3-21-2001]; CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; HAP: (10) [40CFR 63 Subpart UUU, #2, 4-20-2006]; PM: (9) [RULE 404, 2-7-1986; RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; PM: 2 LBS/TON (8) [40CFR 60 Subpart J, 6-24-2008; CONSENT DECREE, 3-21-2001]; PM10: 2.8 LBS/1000 BBLS (5A) [RULE 1105.1, 11-7-2003]; PM10: 3.6 LBS/HR (5) [RULE 1105.1, 11-7-2003]	A63.7, A99.4, A99.5, A195.3, A195.4, A195.5, A195.6, A195.8, B61.4, D28.8, D29.1, D82.2, D90.8, H23.32
BLOWER, B-19, COMBUSTION AIR, 4500 HP					
REACTOR, V-405, HEIGHT: 38 FT 9 IN; DIAMETER: 27 FT A/N: 470269 † Permit to Construct Issued: 02/07/07	D97				
DRUM, CO-LOWNOX PROMOTER LOADING, V-1355, HEIGHT: 1 FT 8 IN; DIAMETER: 1 FT 6 IN A/N: 470269 † Permit to Construct Issued: 02/07/07	D1288			PM: (9) [RULE 405, 2-7-1986]	D323.1
System 3: FCCU HEATERS					

* (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.

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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	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 3: FLUID CATALYTIC CRACKING (FCCU)					P13.1
BOILER, BO-1, CO WASTE HEAT, REFINERY GAS, 300 MMBTU/HR WITH A/N: 470272 † Permit to Construct Issued: 08/03/02	D112	S51 C1575 C1576 C1577	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	A63.4, B61.1, D28.10, D90.7, D328.1, H23.3, K171.1
BURNER, REFINERY GAS, BABCOCK WILCOX, WITH STEAM/CONDENSATE INJECTION, WITH LOW NOX BURNER, 6 TOTAL; 300 MMBTU/HR					
STACK, CO BOILER A/N: 470272 † Permit to Construct Issued: 08/03/02	S51	D112 C1575 C1576 C1577			
System 6: FCCU AIR POLLUTION CONTROL					S42.1

* (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

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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	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 3: FLUID CATALYTIC CRACKING (FCCU)					P13.1
ELECTROSTATIC PRECIPITATOR, #3, SINGLE STAGE, ONE(1) CHAMBER, WITH 8 TRANSFORMER/RECTIFIER SETS, HAMON RESEARCH-COTTREL, 54 KVA WITH A/N: 470273 † Permit to Construct Issued: 04/27/06	C1575	S51 D96 D112 S1105		NH3: 10 PPMV (5) [RULE 1105.1, 11-7-2003]	A195.2, C12.2, D29.8, D90.11, D90.12, D90.13, D90.14, D90.15, D323.3, E73.2, E193.2, E193.3, E193.4
HOPPER, CATALYST FINES, 4 TOTAL					
BIN, HOLDING, CATALYST FINES, 1 TOTAL					
AMMONIA INJECTION, GRID					

* (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

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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	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 3: FLUID CATALYTIC CRACKING (FCCU)					P13.1
ELECTROSTATIC PRECIPITATOR, #4, SINGLE STAGE, ONE(1) CHAMBER, WITH 8 TRANSFORMER/RECTIFIER SETS, HAMON RESEARCH-COTTREL, 54 KVA WITH A/N: 470273 † Permit to Construct Issued: 04/27/06	C1576	S51 D96 D112 S1105		**NH3**: 10 PPMV (5) **[RULE 1105.1, 11-7-2003]**	A195.2, C12.2, D29.8, D90.11, D90.12, D90.13, D90.14, D90.15, D323.3, E73.2, E193.2, E193.3, E193.4
HOPPER, CATALYST FINES, 4 TOTAL					
BIN, HOLDING, CATALYST FINES, 1 TOTAL					
AMMONIA INJECTION, GRID					

* (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

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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	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 3: FLUID CATALYTIC CRACKING (FCCU)					P13.1
ELECTROSTATIC PRECIPITATOR, #5, SINGLE STAGE, ONE(1) CHAMBER, WITH 8 TRANSFORMER/RECTIFIER SETS, MODEL HAMON RESEARCH-COTTREL, 54 KVA WITH A/N: 470273 † Permit to Construct Issued: 04/27/06	C1577	S51 D96 D112 S1105		NH3: 10 PPMV (5) [RULE 1105.1, 11-7-2003]	A195.2, C12.2, D29.8, D90.11, D90.12, D90.13, D90.14, D90.15, D323.3, E73.2, E193.2, E193.3, E193.4
HOPPER, CATALYST FINES, 4 TOTAL					
BIN, HOLDING, CATALYST FINES, 1 TOTAL					
AMMONIA INJECTION, GRID					
HEAT EXCHANGER, CATALYST FINES A/N: 470273 † Permit to Construct Issued: 04/27/06	D1580				
STACK, BY-PASS A/N: 470273 † Permit to Construct Issued: 04/27/06	S1105	C1575 C1576 C1577			
Process 4: HYDROTREATING					P13.1
System 3: HYDROTREATING UNIT NO. 2					S11.2, S13.4, S15.2, S15.3, S15.13, S31.1

* (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

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FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 4: HYDROTREATING					P13.1
REACTOR, 1ST STAGE MAIN, V-2237, LENGTH: 20 FT 3 IN; DIAMETER: 9 FT 6 IN A/N: 470276 † Permit to Construct Issued: 01/18/02	D1511				
VESSEL, PRETREAT REACTOR, V-2143, LENGTH: 28 FT 6 IN; DIAMETER: 8 FT A/N: 470276 † Permit to Construct Issued: 01/18/02	D1512				
TOWER, STRIPPER, V-2238, HEIGHT 20 FT 9 IN; DIAMETER: 6 FT 6 IN A/N: 470276 † Permit to Construct Issued: 01/18/02	D1513				
REACTOR, 2ND STAGE MAIN, V-740, HEIGHT: 21 FT 9 IN; DIAMETER: 7 FT 6 IN A/N: 470276 † Permit to Construct Issued: 01/18/02	D123				
VESSEL, HIGH PRESSURE SEPARATOR, V-725, HEIGHT: 20 FT 9 IN; DIAMETER: 6 FT 6 IN A/N: 470276 † Permit to Construct Issued: 01/18/02	D129				
System 7: FCCU FEED HYDRODESULFURIZATION UNIT NO. 4					S11.2, S13.2, S13.4, S15.2, S15.3, S15.10, S31.1
COLUMN, H2S STRIPPER, V-1755, HEIGHT: 59 FT 6 IN; DIAMETER: 10 FT 6 IN A/N: 470277 † Permit to Construct Issued: 10/15/01	D160				

* (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.

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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	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 4: HYDROTREATING					P13.1
FRACTIONATOR, V-1757, HEIGHT: 70 FT 6 IN; DIAMETER: 8 FT 6 IN A/N: 470277 † Permit to Construct Issued: 10/15/01	D168				
COLUMN, STRIPPER, V-867, DIESEL, HEIGHT: 22 FT 8 IN; DIAMETER: 3 FT 6 IN A/N: 470277 † Permit to Construct Issued: 10/15/01	D244				
VESSEL, DRIER, V-1374, DIESEL PRODUCT, HEIGHT: 36 FT 6 IN; DIAMETER: 9 FT A/N: 470277 † Permit to Construct Issued: 10/15/01	D3				
ABSORBER, AMINE/COLD HIGH PRESSURE SEPARATOR, V-2231, HEIGHT: 42 FT ; DIAMETER: 4 FT 7 IN A/N: 470277 † Permit to Construct Issued: 10/15/01	D164				
DRUM, FLASH, RICH AMINE, V-2234, HEIGHT: 15 FT 6 IN; DIAMETER: 5 FT 6 IN A/N: 470277 † Permit to Construct Issued: 10/15/01	D1503				
System 9: FUEL GAS TREATING SYSTEM					S13.4, S15.2, S18.4
TOWER, V-598, RECOVERED FLARE GAS WASH, HEIGHT: 69 FT ; DIAMETER: 5 FT A/N: 472874 Permit to Construct Issued: 11/29/07	D192				

* (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

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TESORO REFINING AND MARKETING CO

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 4: HYDROTREATING					P13.1
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 472874 Permit to Construct Issued: 11/29/07	D1380				H23.16
Process 5: CATALYTIC REFORMING					P13.1
System 3: CATALYTIC REFORMING UNIT NO. 2					S11.2, S13.4, S15.2, S15.3, S31.1
VESSEL, V-2235, SULFUR GUARD BED, HEIGHT 17 FT ; DIAMETER: 6 FT A/N: 470283	D1501				
TOWER, FEED PREP, V-732, HEIGHT 87 FT ; DIAMETER: 13 FT A/N: 470283	D1204				
COMPRESSOR, C-73, RECYCLE GAS, CENTRIFUGAL, (VH-504) A/N: 470283	D209				
ABSORBER, CARBON, V-2277, HYDROGEN CHLORIDE, DIAMETER: 5 FT 6 IN; HEIGHT: 18 FT A/N: 470284 † Permit to Construct Issued: 07/10/02	D1525			**HAP: (10) [40CFR 63 Subpart UUU, #1, 4-20-2006]**	
KNOCK OUT POT, RECYCLE GAS CONDENSATE, V-2276; DIAMETER: 3 FT 6 IN; HEIGHT: 8 FT 6 IN A/N: 470284 † Permit to Construct Issued: 07/10/02	D1526				
HEAT EXCHANGER, NET GAS RECYCLE COOLING, E-1858, 2.2 MMBTU/HR DUTY A/N: 470284 † Permit to Construct Issued: 07/10/02	D1527				

* (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

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TESORO REFINING AND MARKETING CO

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 5: CATALYTIC REFORMING					P13.1
System 4: CATALYTIC REFORMING UNIT NO. 2 HEATERS					
HEATER, H-501A, REFINERY GAS, WITH LOW NOX BURNER, AIR PREHEATING, 31.4 MMBTU/HR WITH A/N: 470285 † Permit to Construct Issued: 09/06/02	D216	C773 S990 D1333 D1343	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	**CO**: 400 PPMV (5A) **[RULE 1146, 11-17-2000;** *RULE 1146, 9-5-2008*]; **CO**: 2000 PPMV (5) **[RULE 407, 4-2-1982]**; **PM**: (9) **[RULE 404, 2-7-1986]**; **PM**: 0.1 GRAINS/SCF (5) **[RULE 409, 8-7-1981]**	A63.4, B61.1, D28.11, D90.7, D328.2, E54.2, E54.12, H23.3
BURNER, SIX BURNERS, JOHN ZINK MODEL NO. LM-116, REFINERY GAS, WITH LOW NOX BURNER, 31.4 MMBTU/HR					
HEATER, H-501B, REFINERY GAS, WITH LOW NOX BURNER, AIR PREHEATING, 31.4 MMBTU/HR WITH A/N: 470286 † Permit to Construct Issued: 09/06/02	D217	C773 S990 D1333 D1343	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	**CO**: 400 PPMV (5A) **[RULE 1146, 11-17-2000;** *RULE 1146, 9-5-2008*], **CO**: 2000 PPMV (5) **[RULE 407, 4-2-1982]**; **PM**: (9) **[RULE 404, 2-7-1986]**; **PM**: 0.1 GRAINS/SCF (5) **[RULE 409, 8-7-1981]**	A63.4, B61.1, D28.11, D90.7, D328.2, E54.2, E54.12, H23.3
BURNER, SIX BURNERS, JOHN ZINK MODEL NO. LM-116, REFINERY GAS, WITH LOW NOX BURNER, 31.4 MMBTU/HR					
Process 8: HYDROCRACKING					P13.1
System 1: HYDROCRACKING UNIT					S11.3, S13.4, S15.2, S15.3, S15.10, S31.1
REACTOR, V-993, HEIGHT: 58 FT 3 IN; DIAMETER: 10 FT A/N 493279 Permit to Construct Issued: 04/10/09	D371				

* (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

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FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 8: HYDROCRACKING					P13.1
REACTOR, V-994, HEIGHT: 68 FT 10 IN; DIAMETER: 10 FT A/N: 493279 Permit to Construct Issued: 04/10/09	D372				
REACTOR, V-995, HEIGHT: 74 FT 10 IN; DIAMETER: 8 FT 6 IN A/N: 493279 Permit to Construct Issued: 04/10/09	D373				
DRUM, SURGE, V-996, HEIGHT: 28 FT ; DIAMETER: 11 FT 6 IN A/N: 493279 Permit to Construct Issued: 04/10/09	D340				
VESSEL, SEPARATOR, HIGH PRESSURE, V-997, HEIGHT: 34 FT ; DIAMETER: 10 FT A/N: 493279 Permit to Construct Issued: 04/10/09	D341				
VESSEL, SEPARATOR, LOW PRESSURE, V-998, HEIGHT: 26 FT ; DIAMETER: 7 FT 6 IN A/N: 493279 Permit to Construct Issued: 04/10/09	D342				
FRACTIONATOR, V-1001, HEIGHT: 144 FT ; DIAMETER: 15 FT A/N: 493279 Permit to Construct Issued: 04/10/09	D344				
VESSEL, STRIPPER, V-1002, HEAVY NAPHTHA, HEIGHT: 33 FT 6 IN; DIAMETER: 6 FT A/N: 493279 Permit to Construct Issued: 04/10/09	D345				

* (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)
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TESORO REFINING AND MARKETING CO

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 8: HYDROCRACKING					P13.1
VESSEL, STRIPPER, V-1003, MEDIUM NAPHTHA, HEIGHT: 31 FT 6 IN; DIAMETER: 6 FT A/N: 493279 Permit to Construct Issued: 04/10/09	D1259				
ACCUMULATOR, V-1004, FRACTIONATOR REFLUX, LENGTH: 22 FT 6 IN; DIAMETER: 9 FT A/N: 493279 Permit to Construct Issued: 04/10/09	D1260				
ACCUMULATOR, V-1005, FRACTIONATOR OVERHEAD, LENGTH: 18 FT ; DIAMETER: 7 FT A/N: 493279 Permit to Construct Issued: 04/10/09	D346			**HAP: (10) [40CFR 63 Subpart CC, #2, 6-23-2003]**	
ABSORBER, V-1006, LEAN OIL, HEIGHT: 50 FT , DIAMETER: 3 FT A/N: 493279 Permit to Construct Issued: 04/10/09	D374				
COLUMN, DEPROPANIZER, V-1007, HEIGHT: 106 FT ; DIAMETER: 7 FT 6 IN A/N: 493279 Permit to Construct Issued: 04/10/09	D347				
DRUM, V-1008, DEPROPANIZER REFLUX, LENGTH: 13 FT 6 IN; DIAMETER: 4 FT 6 IN A/N: 493279 Permit to Construct Issued: 04/10/09	D348				
COLUMN, DEBUTANIZER, V-1009, HEIGHT: 93 FT 6 IN; DIAMETER: 5 FT 6 IN A/N: 493279 Permit to Construct Issued: 04/10/09	D349				

* (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.)
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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 8: HYDROCRACKING					P13.1
DRUM, V-1010, DEBUTANIZER REFLUX, HEIGHT: 14 FT ; DIAMETER 5 FT A/N: 493279 Permit to Construct Issued: 04/10/09	D350				
DRUM, AMINE SCRUBBER FEED,V-2381, HEIGHT: 11 FT ; DIAMETER: 4 FT 6 IN A/N: 493279 Permit to Construct Issued 04/10/09	D1652				
SCRUBBER, V-1011, AMINE, HEIGHT 51 FT ; DIAMETER: 5 FT 6 IN A/N: 493279 Permit to Construct Issued: 04/10/09	D351				
DRUM, FLASH, V-1012, CONDENSATE, LENGTH 10 FT ; DIAMETER: 3 FT 6 IN A/N: 493279 Permit to Construct Issued: 04/10/09	D375				
DRUM, FRACTIONATOR COMPRESSOR SUCTION, V-1695, HEIGHT: 8 FT ; DIAMETER: 5 FT A/N: 493279 Permit to Construct Issued 04/10/09	D352				
POT, V-1025, DEPROPANIZER REBOILER CONDENSATE, LENGTH: 12 FT ; DIAMETER: 1 FT 5 IN A/N: 493279 Permit to Construct Issued: 04/10/09	D376				

* (1) (1A) (1B) Denotes RECLAIM emission factor
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(3) Denotes RECLAIM concentration limit
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(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 8: HYDROCRACKING					P13.1
POT, V-1026, DEBUTANIZER REBOILER CONDENSATE, LENGTH: 12 FT ; DIAMETER: 1 FT 5 IN A/N: 493279 Permit to Construct Issued: 04/10/09	D928				
VESSEL, SEPARATOR, V-2036, COKER GAS OIL, HEIGHT: 5 FT 2 IN; DIAMETER: 1 FT A/N: 493279 Permit to Construct Issued: 04/10/09	D355				
VESSEL, SEPARATOR, V-1087, FCC GAS OIL SOLIDS, HEIGHT: 5 FT 2 IN; DIAMETER: 1 FT A/N: 493279 Permit to Construct Issued: 04/10/09	D356				
VESSEL, COALESCER, V-1088, FCC GAS OIL, LENGTH: 10 FT ; DIAMETER: 3 FT A/N: 493279 Permit to Construct Issued: 04/10/09	D357				
VESSEL, COALESCER, V-1089, COKER GAS OIL, LENGTH: 10 FT ; DIAMETER: 3 FT A/N: 493279 Permit to Construct Issued: 04/10/09	D358				
VESSEL, EFFLUENT COALESCER, V-1090, LENGTH: 15 FT ; DIAMETER: 5 FT A/N: 493279 Permit to Construct Issued: 04/10/09	D1265				

* (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.)
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Process 8: HYDROCRACKING					P13.1
DRUM, INJECTION, V-1122, DIMETHYL DISULFIDE, LENGTH: 10 FT ; DIAMETER: 3 FT A/N: 493279 Permit to Construct Issued: 04/10/09	D359				
COMPRESSOR, C-93, RECYCLE GAS A/N: 493279 Permit to Construct Issued: 04/10/09	D364				
COMPRESSOR, FRACTIONATOR NO.1 & 2, C-94/95, 2 TOTAL, RECIPROCATING TYPE A/N: 493279 Permit to Construct Issued: 04/10/09	D930				
TOWER, DEA, V-1621, HEIGHT 37 FT 6 IN; DIAMETER: 3 FT A/N: 493279 Permit to Construct Issued: 04/10/09	D932				
KNOCK OUT POT, V-1622, LIQUID, HEIGHT 7 FT 3 IN; DIAMETER: 1 FT 2 IN A/N: 493279 Permit to Construct Issued: 04/10/09	D1266				
MIST ELIMINATOR, V-1623, HEIGHT: 9 FT ; DIAMETER: 2 FT 6 IN A/N: 493279 Permit to Construct Issued: 04/10/09	D933				
VESSEL, SEPARATOR, MEMBRANE, V-1624-38, 15 TOTAL, HEIGHT: 12 FT 5 IN; DIAMETER: 8 FT A/N: 493279 Permit to Construct Issued: 04/10/09	D934				

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(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
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(5) (5A) (5B) Denotes command and control emission limit
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 8: HYDROCRACKING					P13.1
COMPRESSOR, C-141, RECIPROCATING TYPE A/N: 493279 Permit to Construct Issued: 04/10/09	D377				H23.4
DRUM, SECOND STAGE CHARGE, V-1965, LENGTH: 10 FT ; DIAMETER: 3 FT A/N: 493279 Permit to Construct Issued: 04/10/09	D1340				
KNOCK OUT POT, LIQUID, V-1995, LENGTH: 10 FT ; DIAMETER: 3 FT A/N: 493279 Permit to Construct Issued: 04/10/09	D1341				
FILTER, V-1967, STRIPPED WATER, LENGTH: 10 FT ; DIAMETER: 3 FT A/N: 493279 Permit to Construct Issued: 04/10/09	D1342				
DRUM, SURGE, V-1966, WASH WATER, HEIGHT: 13 FT 6 IN; DIAMETER: 5 FT 6 IN A/N: 493279 Permit to Construct Issued: 04/10/09	D1530				
DRUM, V-1972, FLASH, FOUL WATER, LENGTH: 10 FT ; DIAMETER: 6 FT A/N: 493279 Permit to Construct Issued: 04/10/09	D1531				
COMPRESSOR, HYDROGEN, C-91/92, 2 TOTAL, RECIPROCATING TYPE A/N: 493279 Permit to Construct Issued: 04/10/09	D245				
COMPRESSOR, C-98 A/N: 493279 Permit to Construct Issued: 04/10/09	D102				

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(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.)
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 8: HYDROCRACKING					P13.1
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 493279 Permit to Construct Issued: 04/10/09	D1454			**HAP: (10) [40CFR 63 Subpart CC, #5A, 6-23-2003]**	H23.5
Process 12: TREATING /STRIPPING					P13.1
System 7: BRINE WATER TREATMENT					S13.5, S15.6, S31.1
DRUM, HEAT TREATING, V-2201, VENT TO ATMOSHERE, HEIGHT: 20 FT ; DIAMETER: 16 FT A/N: 470291 † Permit to Construct Issued: 08/04/00	D1480			**BENZENE: (10) [40CFR 61 Subpart FF_01, 12-4-2003]; VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]**	H23.40
DRUM, HEAT TREATING, V-2202, VENT TO ATMOSPHERE, HEIGHT: 40 FT ; DIAMETER: 12 FT A/N: 470291 † Permit to Construct Issued: 08/04/00	D1481			**BENZENE: (10) [40CFR 61 Subpart FF_01, 12-4-2003]; VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]**	H23.40
DRUM, CLARIFIED OIL, V-2204, HEIGHT: 6 FT ; DIAMETER: 3 FT A/N: 470291 † Permit to Construct Issued: 08/04/00	D1482			**BENZENE: (10) [40CFR 61 Subpart FF_01, 12-4-2003]; VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]**	H23.40
VESSEL, CLARIFIER THICKENER, V-2007, HEIGHT: 16 FT ; DIAMETER 30 FT A/N: 470291 † Permit to Construct Issued: 08/04/00	D1483			**BENZENE: (10) [40CFR 61 Subpart FF_01, 12-4-2003]; VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]**	H23.40
TANK, CLARIFIER EFFLUENT, TK-43, HEIGHT: 9 FT ; DIAMETER: 6 FT A/N: 470291 † Permit to Construct Issued: 08/04/00	D1484			**BENZENE: (10) [40CFR 61 Subpart FF_01, 12-4-2003]; VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]**	H23.40

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(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
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TESORO REFINING AND MARKETING CO

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 12: TREATING /STRIPPING					P13.1
DRUM, RECOVERY OIL, V-2203, HEIGHT: 8 FT ; DIAMETER: 4 FT A/N: 470291 † Permit to Construct Issued: 08/04/00	D1485			**BENZENE**: (10) **[40CFR 61 Subpart FF_01, 12-4-2003]**; VOC: 500 PPMV (8) **[40CFR 61 Subpart FF, 12-4-2003]**	H23.40
Process 15: STORAGE TANKS					P13.1
System 1: FIXED ROOF STORAGE TANKS					S13.7
STORAGE TANK, FIXED ROOF, NO. 13510, BRINE WATER, EQUIPPED WITH AN OIL SKIMMER, 13500 BBL; DIAMETER: 52 FT 9 IN; HEIGHT: 35 FT 6 IN A/N: 470292 † Permit to Construct Issued: 08/04/00	D562			**BENZENE**: (10) **[40CFR 61 Subpart FF_01, 12-4-2003]**; VOC: 500 PPMV (8) **[40CFR 61 Subpart FF, 12-4-2003]**	C1.23, E336.2, H23.40
STORAGE TANK, FIXED ROOF, NO. 13511, BRINE WATER, EQUIPPED WITH AN OIL SKIMMER, 13500 BBL; DIAMETER: 52 FT 9 IN; HEIGHT: 35 FT 6 IN A/N: 470293 † Permit to Construct Issued: 08/04/00	D563			**BENZENE**: (10) **[40CFR 61 Subpart FF_01, 12-4-2003]**; VOC: 500 PPMV (8) **[40CFR 61 Subpart FF, 12-4-2003]**	C1.23, E336.2, H23.40
System 3: PRESSURIZED STORAGE TANKS					S13.6, S15.1, S31.1
STORAGE TANK, SPHERE, 50000 BBL; DIAMETER: 82 FT A/N: 470296 † Permit to Construct Issued: 10/15/01	D1502				
System 5: DOMED EXTERNAL FLOATING ROOF STORAGE TANKS					S13.9

* (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.

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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	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 15: STORAGE TANKS					P13.1
STORAGE TANK, PONTOON, NO. 125002, ALKYLATE/GASOLINE, 125000 BBL: DIAMETER: 150 FT ; HEIGHT 40 FT WITH A/N: 470298 † Permit to Construct Issued: 10/05/04	D659			**HAP: (10) [40CFR 63 Subpart CC, #3A, 6-23-2003]**	C1.36, C6.2, H23.33, K67.9, K171.2
DOME COVER, GEODESIC					
FLOATING ROOF, PONTOON, WELDED SHELL					
PRIMARY SEAL, CATEGORY A, METALLIC SHOE					
SECONDARY SEAL, CATEGORY A, WIPER TYPE					
GUIDEPOLE, GASKETED COVER, UNSLOTTED					

* (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

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 15: STORAGE TANKS					P13.1
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 125003, WITH TWO MIXERS, 125000 BBL; DIAMETER: 150 FT ; HEIGHT: 40 FT WITH A/N: 470300 † Permit to Construct Issued: 07/22/05	D660			HAP: (10) [40CFR 63 Subpart CC, #3A, 6-23-2003]	K67.2, K171.2
DOME COVER					
FLOATING ROOF, PONTOON, WELDED SHELL					
PRIMARY SEAL, CATEGORY A, METALLIC SHOE					
SECONDARY SEAL, CATEGORY A, WIPER TYPE					
System 6: STORAGE TANKS, OTHERS					
STORAGE TANK, FIXED ROOF, NO. 1000, PERCHLOROETHYLENE, 1000 GALS; DIAMETER: 5 FT 4 IN; HEIGHT: 6 FT A/N: 470301 † Permit to Construct Issued: 02/14/03	D1533				B59.2, C1.34
STORAGE TANK, PRESSURIZED, AQUEOUS AMMONIA, 19.9 % SOLUTION OR LESS, 12000 GALS, WITH A VAPOR BALANCE SYSTEM A/N: 484367 Permit to Construct Issued: 02/12/10	D1628				C157.1, E144.1
Process 18: STEAM GENERATION					

* (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

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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	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 18: STEAM GENERATION					
BOILER, BO-11, NATURAL GAS, REFINERY GAS, RENTECH WITH FGR, 352 MMBTU/HR WITH A/N: 484366 Permit to Construct Issued: 02/12/10	D1629	C1631	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	CO: 50 PPMV (4) [RULE 1703(a)(2) - PSD-BACT, 10-7-1988]; CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 0.035 LBS/MMSCF (1) [RULE 2012, 5-6-2005]; NOX: 0.2 LBS/MMBTU (8) [40CFR 60 Subpart Db, 1-28-2009]; NOX: 5 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005]; NOX: 7 PPMV(Monthly) REFINERY GAS (4) [RULE 2005, 4-20-2001; RULE 2005, 5-6-2005]; NOX: 9 PPMV REFINERY GAS (4) [RULE 2005, 4-20-2001; RULE 2005, 5-6-2005]; NOX: 74.2 LBS/MMSCF (1A) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.01 GRAINS/SCF (5B) [RULE 476, 10-8-1976]; PM: 0.051 LBS/MMBTU (8) [40CFR 60 Subpart Db, 1-28-2009]; PM: 11 LBS/HR (5A) [RULE 476, 10-8-1976]; PM10: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 6.65 LBS/MMSCF (1A) [RULE 2011, 5-6-2005]; SOX: 34 LBS/MMSCF (1) [RULE 2011, 12-7-1995]	A63.9, A99.11, A99.12, A99.13, A99.14, A99.15, A99.16, A195.12, A195.13, A195.14, A195.15, A195.16, A327.2, B59.7, B61.8, B61.10, C1.52, D29.12, D29.13, D82.5, D82.6, D90.20, D90.21, E296.3, K40.3, K67.14, L341.1

* (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.

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FACILITY PERMIT TO OPERATE
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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:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 18: STEAM GENERATION					
BURNER, NATURAL GAS, REFINERY GAS, COEN-TODD, VARIFLAME, WITH LOW NOX BURNER, 352 MMBTU/HR					
SELECTIVE CATALYTIC REDUCTION, SERVING BOILER BO-11, WITH 608 CUBIC FEET CATALYST VOLUME, CORMETECH OR EQUIVALENT WITH A/N: 484364 Permit to Construct Issued: 02/12/10	C1631	D1629		**NH3**: 5 PPMV (4) **[RULE 1303(a)(1)-BACT, 5-10-1996;** *RULE 1303(a)(1)-BACT, 12-6-2002*]	D12.10, D12.11, D12.12, D29.10, E73.5, E179.3, E179.4
AMMONIA INJECTION					

* (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

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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 18: STEAM GENERATION					
BOILER, BO-12, NATURAL GAS, REFINERY GAS, RENTECH WITH FGR, 352 MMBTU/HR WITH A/N: 484362 Permit to Construct Issued: 02/12/10	D1634	C1636	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	**CO**: 50 PPMV (4) **[RULE 1703(a)(2) - PSD-BACT, 10-7-1988]**; **CO**: 2000 PPMV (5) **[RULE 407, 4-2-1982]**; **NOX**: 0.035 LBS/MMSCF (1) **[RULE 2012, 5-6-2005]**; **NOX**: 5 PPMV NATURAL GAS (4) **[RULE 2005, 5-6-2005]**; **NOX**: 7 PPMV(Monthly) REFINERY GAS (4) **[RULE 2005, 5-6-2005]**; **NOX**: 9 PPMV REFINERY GAS (4) **[RULE 2005, 5-6-2005]**; **NOX**: 74.2 LBS/MMSCF (1A) **[RULE 2012, 5-6-2005]**; **PM**: (9) **[RULE 404, 2-7-1986]**; **PM**: 0.01 GRAINS/SCF (5B) **[RULE 476, 10-8-1976]**; **PM**: 0.051 LBS/MMBTU (8) **[40CFR 60 Subpart Db, 1-28-2009]**; **PM**: 11 LBS/HR (5A) **[RULE 476, 10-8-1976]**; **PM10**: 0.1 GRAINS/SCF (5) **[RULE 409, 8-7-1981]**; **SOX**: 6.65 LBS/MMSCF (1A) **[RULE 2011, 5-6-2005]**; **SOX**: 34 LBS/MMSCF (1) **[RULE 2011, 5-6-2005]**	A63.9, A99.11, A99.12, A99.13, A99.14, A99.15, A99.16, A195.12, A195.13, A195.14, A195.15, A195.16, A327.2, B59.7, B61.8, B61.10, C1.52, D29.12, D29.13, D82.5, D82.6, D90.20, D90.21, I296.3, K40.3, K67.14, L341.2
BURNER, NATURAL GAS, REFINERY GAS, COEN-TODD, VARIFLAME, WITH LOW NOX BURNER, 352 MMBTU/HR					

* (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

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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 18: STEAM GENERATION					
SELECTIVE CATALYTIC REDUCTION, SERVING BOILER BO-12, WITH 608 CUBIC FEET CATALYST VOLUME, CORMETECH OR EQUIVALENT WITH A/N: 484365 Permit to Construct Issued: 02/12/10	C1636	D1634		**NH3: 5 PPMV (4) [RULE 1303(a)-BACT, 5-10-1996;** RULE 1303(a), 12-6-2002]	D12.10, D12.11, D12.12, D29.10, E73.5, E179.3, E179.4
AMMONIA INJECTION					
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: 472870 Permit to Construct Issued: 11/29/07	C747				D12.4, D323.2, E193.1, H23.38, I1.1
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: 472870 Permit to Construct Issued: 11/29/07	C748				D12.4, D323.2, E193.1, H23.38, I1.1
KNOCK OUT POT, V-847, FLARE NO. 2, WITH INTERNAL LIQUID SEAL, LENGTH: 24 FT ; DIAMETER: 12 FT A/N: 472870 Permit to Construct Issued: 11/29/07	D752				
KNOCK OUT POT, V-848, FLARE NO. 1, WITH INTERNAL LIQUID SEAL, LENGTH: 24 FT ; DIAMETER: 12 FT A/N: 472870 Permit to Construct Issued: 11/29/07	D753				

* (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

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 21: AIR POLLUTION CONTROL					
KNOCK OUT POT, V-616, CRU-HTU NO. 1, LENGTH: 16 FT ; DIAMETER: 8 FT A/N: 472870 Permit to Construct Issued: 11/29/07	D750				
KNOCK OUT POT, V-630, CRU-HTU NO. 2, LENGTH: 19 FT ; DIAMETER: 6 FT A/N: 472870 Permit to Construct Issued: 11/29/07	D751				
KNOCK OUT POT, V-873, CRU NO. 3, LENGTH: 18 FT ; DIAMETER: 9 FT A/N: 472870 Permit to Construct Issued: 11/29/07	D754				
KNOCK OUT POT, V-934, DCU, LENGTH: 25 FT ; DIAMETER 12 FT A/N: 472870 Permit to Construct Issued 11/29/07	D755				
KNOCK OUT POT, V-951, HGU NO. 1, LENGTH: 40 FT ; DIAMETER: 10 FT A/N: 472870 Permit to Construct Issued: 11/29/07	D756				
KNOCK OUT POT, V-1018, HCU, LENGTH: 29 FT ; DIAMETER: 14 FT 6 IN A/N: 472870 Permit to Construct Issued: 11/29/07	D757				
KNOCK OUT POT, V-1431, ALKYLATION UNIT, LENGTH: 35 FT ; DIAMETER: 11 FT A/N: 472870 Permit to Construct Issued: 11/29/07	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

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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: 472870 Permit to Construct Issued: 11/29/07	D759				
KNOCK OUT POT, V-1764, HTU-4, HEIGHT: 36 FT ; DIAMETER: 13 FT A/N: 472870 Permit to Construct Issued: 11/29/07	D172				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 472870 Permit to Construct Issued: 11/29/07	D1419				H23.5
System 3: REFINERY VAPOR RECOVERY COMPRESSORS SYSTEM					S11.3, S13.4, S15.11, S18.1
COMPRESSOR, C-68, INGERSOLL-RAND, TWO-STAGE, 350 H.P. A/N: 501287 Permit to Construct Issued: 10/16/09	D641				I30.1
COMPRESSOR, C-69, INGERSOLL-RAND, TWO-STAGE, 350 H.P. A/N: 501287 Permit to Construct Issued: 10/16/09	D642				I30.1
COMPRESSOR, C-104, WORTHINGTON, TWO-STAGE, 900 H.P. A/N: 501287 Permit to Construct Issued: 10/16/09	D643				I30.1

* (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

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 21: AIR POLLUTION CONTROL					
COMPRESSOR, C-105, WORTHINGTON, TWO-STAGE, 900 H.P., SPARE FOR C-104 AND C-137 A/N: 501287 Permit to Construct Issued: 10/16/09	D644				I30.1
DRUM, VAPOR RECOVERY GAS K.O, V-2380, LENGTH: 11 FT ; DIAMETER: 54 FT A/N: 501287 Permit to Construct Issued: 10/16/09	D1662				I30.1
POT, V-556, CONDENSATE POT #4, HEIGHT: 6 FT ; DIAMETER: 3 FT A/N: 501287 Permit to Construct Issued: 10/16/09	D886				I30.1
DRUM, SUCTION, V-1135, LENGTH: 22 FT 6 IN; DIAMETER: 9 FT A/N: 501287 Permit to Construct Issued: 10/16/09	D887				I30.1
DRUM, SOUR WATER FLASH DRUM AND BACK UP DEA SKIM, V-1490, LENGTH: 30 FT ; DIAMETER 12 FT A/N: 501287 Permit to Construct Issued: 10/16/09	D1615				I30.1
DRUM, DEA FLASH, V-1491, LENGTH: 40 FT ; DIAMETER: 4 FT A/N: 501287 Permit to Construct Issued: 10/16/09	D1663				I30.1
DRUM, DEA SKIM, V-1139, SPARE, LENGTH: 26 FT ; DIAMETER: 8 FT A/N: 501287 Permit to Construct Issued: 10/16/09	D1316				I30.1

* (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
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 21: AIR POLLUTION CONTROL					
POT, V-1865, CONDENSATE POT #1, HEIGHT: 8 FT ; DIAMETER: 4 FT A/N: 501287 Permit to Construct Issued: 10/16/09	D890				I30.1
POT, V-1866, CONDENSATE POT #2, HEIGHT: 8 FT ; DIAMETER: 4 FT A/N: 501287 Permit to Construct Issued: 10/16/09	D891				I30.1
POT, V-1867, CONDENSATE POT #3, HEIGHT: 8 FT ; DIAMETER: 4 FT A/N: 501287 Permit to Construct Issued: 10/16/09	D892				I30.1
POT, V-1868, CONDENSATE POT #5, HEIGHT: 8 FT ; DIAMETER: 4 FT A/N: 501287 Permit to Construct Issued: 10/16/09	D893				I30.1
POT, V-1871, CONDENSATE POT #6, HEIGHT: 8 FT ; DIAMETER: 4 FT A/N: 501287 Permit to Construct Issued: 10/16/09	D894				I30.1
POT, V-1872, CONDENSATE POT #7, HEIGHT: 8 FT ; DIAMETER: 4 FT A/N: 501287 Permit to Construct Issued: 10/16/09	D895				I30.1
POT, V-1873, CONSENSATE POT #8, HEIGHT: 8 FT ; DIAMETER: 4 FT A/N: 501287 Permit to Construct Issued: 10/16/09	D896				I30.1
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 501287 Permit to Construct Issued: 10/16/09	D1477				H23.5, I30.1

* (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.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

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	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 21: AIR POLLUTION CONTROL					
System 4: FLARE GAS RECOVERY SYSTEM					S13.4, S15.2, S15.3, S15.11, S18.6, S31.2
COMPRESSOR, C-167, LIQUID RING TYPE, DUAL SEALS WITH BARRIER FLUID SYSTEM, 60 MSCFH CAPACITY A/N: 501291 Permit to Construct Issued: 10/16/09	D1600				E73.3, H23.39, I30.1
COMPRESSOR, C-168, LIQUID RING TYPE, DUAL SEALS WITH BARRIER FLUID SYSTEM, 60 MSCFH CAPACITY A/N: 501291 Permit to Construct Issued: 10/16/09	D1601				E73.3, H23.39, I30.1
COMPRESSOR, C-169, LIQUID RING TYPE, DUAL SEALS WITH BARRIER FLUID SYSTEM, 60 MSCFH CAPACITY A/N: 501291 Permit to Construct Issued: 10/16/09	D1602				E73.3, H23.39, I30.1
COMPRESSOR, C-170, LIQUID RING TYPE, DUAL SEALS WITH BARRIER FLUID SYSTEM, 60 MSCFH CAPACITY A/N: 501291 Permit to Construct Issued: 10/16/09	D1603				E73.3, H23.39, I30.1
COMPRESSOR, C-171, LIQUID RING TYPE, DUAL SEALS WITH BARRIER FLUID SYSTEM, 60 MSCFH CAPACITY A/N: 501291 Permit to Construct Issued: 10/16/09	D1604				E73.3, H23.39, I30.1

* (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.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

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	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 21: AIR POLLUTION CONTROL					
VESSEL, COMPRESSOR LIQUID SEPARATOR, V-2358, HEIGHT: 20 FT ; DIAMETER: 6 FT A/N: 501291 Permit to Construct Issued: 10/16/09	D1605				I30.1
VESSEL, COMPRESSOR LIQUID SEPARATOR, V-2359, HEIGHT: 20 FT ; DIAMETER: 6 FT A/N: 501291 Permit to Construct Issued: 10/16/09	D1606				I30.1
KNOCK OUT POT, V-2360, HEIGHT: 4 FT ; DIAMETER: 1 FT 6 IN A/N: 501291 Permit to Construct Issued: 10/16/09	D1607				I30.1
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 501291 Permit to Construct Issued: 10/16/09	D1608			**HAP**: (10) **[40CFR 63 Subpart CC, #5A, 6-23-2003]**	H23.39, I30.1

* (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.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO

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

SECTION H: DEVICE ID INDEX

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D3	22	4	7
D9	1	1	3
D10	2	2	1
D11	2	2	1
D15	3	2	1
D16	3	2	1
D17	3	2	1
D18	3	2	1
D19	7	2	1
D20	4	2	1
D24	4	2	1
D25	5	2	1
D26	5	2	1
D27	5	2	1
D28	5	2	1
D29	6	2	1
D30	6	2	1
D31	6	2	1
D34	9	2	8
D41	10	2	8
D45	10	2	8
D46	10	2	8
D47	10	2	8
D49	10	2	8
S51	17	3	3
D53	7	2	6
D63	8	2	6
D65	8	2	6
D68	8	2	6
D78	12	3	1
D79	12	3	1
D80	12	3	1
D81	13	3	1
D82	13	3	1

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO

SECTION H: DEVICE ID INDEX

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Device ID	Section H Page No.	Process	System
D84	13	3	1
D85	13	3	1
D86	13	3	1
D87	15	3	1
D96	16	3	2
D97	16	3	2
D102	30	8	1
D112	17	3	3
D123	21	4	3
D129	21	4	3
D160	21	4	7
D164	22	4	7
D168	22	4	7
D172	40	21	1
D192	22	4	9
D209	23	5	3
D216	24	5	4
D217	24	5	4
D244	22	4	7
D245	30	8	1
D340	25	8	1
D341	25	8	1
D342	25	8	1
D344	25	8	1
D345	25	8	1
D346	26	8	1
D347	26	8	1
D348	26	8	1
D349	26	8	1
D350	27	8	1
D351	27	8	1
D352	27	8	1
D355	28	8	1
D356	28	8	1

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO

SECTION H: DEVICE ID INDEX

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Device ID	Section H Page No.	Process	System
D357	28	8	1
D358	28	8	1
D359	29	8	1
D364	29	8	1
D371	24	8	1
D372	25	8	1
D373	25	8	1
D374	26	8	1
D375	27	8	1
D376	27	8	1
D377	30	8	1
D562	32	15	1
D563	32	15	1
D641	40	21	3
D642	40	21	3
D643	40	21	3
D644	41	21	3
D659	33	15	5
D660	34	15	5
C747	38	21	1
C748	38	21	1
D750	39	21	1
D751	39	21	1
D752	38	21	1
D753	38	21	1
D754	39	21	1
D755	39	21	1
D756	39	21	1
D757	39	21	1
D758	39	21	1
D759	40	21	1
D886	41	21	3
D887	41	21	3
D890	42	21	3

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO

SECTION H: DEVICE ID INDEX

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Device ID	Section H Page No.	Process	System
D891	42	21	3
D892	42	21	3
D893	42	21	3
D894	42	21	3
D895	42	21	3
D896	42	21	3
D900	5	2	1
D901	6	2	1
D904	6	2	1
D906	4	2	1
D908	12	3	1
D909	15	3	1
D910	14	3	1
D912	14	3	1
D913	15	3	1
D915	12	3	1
D918	15	3	1
D928	28	8	1
D930	29	8	1
D932	29	8	1
D933	29	8	1
D934	29	8	1
D969	7	2	1
D1088	6	2	1
S1105	20	3	6
D1132	2	2	1
D1133	2	2	1
D1134	2	2	1
D1135	2	2	1
D1136	2	2	1
D1137	3	2	1
D1141	3	2	1
D1143	4	2	1
D1147	4	2	1

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO

SECTION H: DEVICE ID INDEX

Device Index For Section H

Device ID	Section H Page No.	Process	System
D1149	5	2	1
D1151	6	2	1
D1152	7	2	6
D1155	8	2	8
D1156	9	2	8
D1157	9	2	8
D1158	9	2	8
D1159	9	2	8
D1160	9	2	8
D1161	11	2	8
D1162	11	2	8
D1164	11	2	8
D1165	11	2	8
D1204	23	5	3
D1259	26	8	1
D1260	26	8	1
D1265	28	8	1
D1266	29	8	1
D1267	12	3	1
D1268	12	3	1
D1269	12	3	1
D1271	13	3	1
D1272	14	3	1
D1273	14	3	1
D1275	14	3	1
D1280	14	3	1
D1288	16	3	2
D1316	41	21	3
D1340	30	8	1
D1341	30	8	1
D1342	30	8	1
D1350	8	2	6
D1357	7	2	1
D1361	8	2	6

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TESORO REFINING AND MARKETING CO

SECTION H: DEVICE ID INDEX

Device Index For Section H

Device ID	Section H Page No.	Process	System
D1365	15	3	1
D1380	23	4	9
D1419	40	21	1
D1438	8	2	8
D1454	31	8	1
D1477	42	21	3
D1478	1	1	4
D1479	1	1	4
D1480	31	12	7
D1481	31	12	7
D1482	31	12	7
D1483	31	12	7
D1484	31	12	7
D1485	32	12	7
D1501	23	5	3
D1502	32	15	3
D1503	22	4	7
D1511	21	4	3
D1512	21	4	3
D1513	21	4	3
D1525	23	5	3
D1526	23	5	3
D1527	23	5	3
D1530	30	8	1
D1531	30	8	1
D1533	34	15	6
D1567	7	2	1
C1575	18	3	6
C1576	19	3	6
C1577	20	3	6
D1580	20	3	6
D1597	15	3	1
D1598	15	3	1
D1600	43	21	4

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SECTION H: DEVICE ID INDEX

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Device ID	Section H Page No.	Process	System
D1601	43	21	4
D1602	43	21	4
D1603	43	21	4
D1604	43	21	4
D1605	44	21	4
D1606	44	21	4
D1607	44	21	4
D1608	44	21	4
D1615	41	21	3
D1616	7	2	1
D1628	34	15	6
D1629	36	18	0
C1631	36	18	0
D1634	37	18	0
C1636	38	18	0
D1652	27	8	1
D1661	4	2	1
D1662	41	21	3
D1663	41	21	3

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:

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

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
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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:

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

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

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

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]

S11.1 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 21-mar-1994 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 6, System 1]

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; Process 5, System 3]

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]

FACILITY PERMIT TO OPERATE
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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 2, System 1; Process 8, System 1; Process 21, System 3]

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]

[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]

FACILITY PERMIT TO OPERATE
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The operator shall comply with the terms and conditions set forth below:

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]

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]

FACILITY PERMIT TO OPERATE
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The operator shall comply with the terms and conditions set forth below:

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]

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.

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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:

[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:

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]

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

[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:

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:

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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 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.

[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]

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

[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:

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]

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

[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:

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:

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

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 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:

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

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]

[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)

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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 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]

[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:

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

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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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.

All components are subject to District Rule 1173 and 40CFR60 Subpart GGG.

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 process drains shall be equipped with water seal, or a closed vent system and

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

control device complying with the requirements of 40CFR60 Subpart QQQ.

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 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 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 12, System 7; 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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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 process drains shall be equipped with water seal, or a closed vent system and control device complying with the requirements of 40CFR60 Subpart QQQ.

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

All components are subject to District Rule 1173 and 40CFR 60 Subpart GGGa.

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.

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

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 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]

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

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

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

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

A. Emission Limits

A63.4 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
NOX	Less than or equal to 583 TONS IN ANY ONE YEAR
SOX	Less than or equal to 430 TONS IN ANY ONE YEAR

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

For the purposes of this condition, the limit(s) shall be based on the total combined emissions from equipment D112, D120, D146, D214, D215, D216, D217,D218, D722, D723, D724, D725, D770, D810, D812 & D1122.

The operator shall calculate the emission limit(s) of NOx and SOx based on the certified continuous monitor, 365-day period, to demonstrate exemption from PSD requirements. This condition applies only after Clean Fuel Phase 3 fuels are in production.

[RULE 1703 - PSD Analysis, 10-7-1988]

[Devices subject to this condition : D112, D216, D217]

A63.6 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
Visible emissions	Less than or equal to 10 Percent opacity

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

[Devices subject to this condition : D34, D41, D45, D46, D47, D49, D1155, D1156, D1157, D1158, D1159, D1160, D1161, D1162, D1164, D1165, D1438]

A63.7 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
Visible emissions	Less than or equal to 30 Percent opacity

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

Pursuant to 40CFR60.8(c), emissions in excess of the level of the applicable emission limit (40CFR60.102(a)(2)) during periods of startup, shutdown and malfunction shall not be considered a violation of the applicable emission limit (40CFR60.102(a)(2)) unless otherwise specified in the applicable standard.

The operator shall keep records to demonstrate compliance or exemption from this condition.

[40CFR 60 Subpart J, 6-24-2008; CONSENT DECREE, 3-21-2001]

[Devices subject to this condition : D96]

A63.9 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
PM10	Less than or equal to 2768 LBS IN ANY ONE MONTH
VOC	Less than or equal to 1049 LBS IN ANY ONE MONTH

The operator shall calculate the monthly emissions for PM10 and VOC using either the equation below and the following emission factor: VOC= 0.0040 lb/MMBTU and PM10 = 0.01056 lb/MMBTU or the results of the most recent test whichever is higher

Monthly Emissions, lb/month = X*(EF); Where X= monthly heat input , MMBTU/month ; and EF = emission factor indicated above

[RULE 1303, 5-10-1996; RULE 1303, 12-6-2002]

[Devices subject to this condition : D1629, D1634]

A63.10 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
CO	Less than or equal to 123 LBS PER DAY

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

PM	Less than or equal to 78 LBS PER DAY
ROG	Less than or equal to 67 LBS PER DAY
SOX	Less than or equal to 88493 LBS IN ANY ONE YEAR

The operator shall calculate the emission limit(s) of CO based on the AQMD certified continuous monitor pursuant to Rule 218. This monitoring system shall have the capability to show the cumulative daily emissions.

The operator shall calculate the emission limit(s) of SOx by using daily emission data reported to the AQMD pursuant to Regulation XX, for any 365-day period to demonstrate exemption from PSD requirements.

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

[Devices subject to this condition : D9]

A99.4 The 3.6 Lbs/hr PM10 emission limit(s) shall only apply when the fresh feed to the FCCU is 30.9 thousand barrels per day or less.

For the purposes of this condition, PM10 emissions shall be defined as filterable PM10 collected on the cyclone exit, probe and filters of the applicable test methods referenced in the Rule.

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

[RULE 1105.1, 11-7-2003]

[Devices subject to this condition : D96]

A99.5 The 2.8 lb/1000 bbl fresh feed PM10 emission limit(s) shall only apply when the fresh feed to the FCCU is 30.9 thousand barrels per day or more.

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

For the purposes of this condition, PM10 Emissions shall be defined as filterable PM10 collected on the cyclone exit, probe and filters of the applicable test methods referenced in the Rule..

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

[RULE 1105.1, 11-7-2003]

[Devices subject to this condition : D96]

A99.11 The 6.65 LBS/MMSCF SOX emission limit(s) shall only apply during initial boiler commissioning to report RECLAIM emissions. The commissioning reporting period shall not exceed 498 hours for the duration of no more than 100 days from start of operation of this device.

[RULE 2011, 5-6-2005]

[Devices subject to this condition : D1629, D1634]

A99.12 The 34 LBS/MMSCF SOX emission limit(s) shall only apply during the interim reporting period after initial boiler commissioning to report RECLAIM emissions. The interim reporting shall not exceed 12 months from start of operation of this equipment.

[RULE 2011, 5-6-2005]

[Devices subject to this condition : D1629, D1634]

A99.13 The 9, 7 and 5 PPM NOX emission limit(s) shall not apply during boiler commissioning, startup, and shutdown periods. The commissioning period shall not exceed 498 operating hours for the duration of no more than 100 days. Cold start shall be restricted to the followings: maximum of 5 hrs per event, maximum of 48 events per year, no more than 14.5 lbs NOx per event. Shutdown periods shall not exceed 30 minutes per event, 24 hours per year.

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

For the purposes of this condition, start-up and shutdown shall be defined as the period when the exhaust temperature at the entrance to the SCR catalyst bed is below 546 degree F.

Written records of commissioning, start-ups and shutdowns shall be maintained and made available upon request from the Executive Officer of his designee

[RULE 2005, 5-6-2005]

[Devices subject to this condition : D1629, D1634]

A99.14 The 50 PPM CO emission limit(s) shall not apply during boiler commissioning, startup, and shutdown periods. The commissioning period shall not exceed 498 operating hours for the duration of no more than 100 days. Cold start shall be restricted to the followings: maximum of 5 hrs per event, maximum of 48 events per year. Shutdown periods shall not exceed 30 minutes per event, 24 hours per year.

For the purposes of this condition, start-up and shutdown shall be defined as the period when the exhaust temperature at the entrance to the SCR catalyst bed is below 546 degree F.

Written records of commissioning, start-ups and shutdowns shall be maintained and made available upon request from the Executive Officer of his designee

[RULE 1703(a)(2) - PSD-BACT, 10-7-1988]

[Devices subject to this condition : D1629, D1634]

A99.15 The 74.2 LBS/MMSCF NOX emission limit(s) shall only apply during initial boiler commissioning to report RECLAIM emssions. The comissioning period shall not exceed a total of 498 hours or a duration of 100 days from start of operation of this equipment. The NOx emission limit shall be defined as NOx emission factor.

[RULE 2012, 5-6-2005]

[Devices subject to this condition : D1629, D1634]

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

A99.16 The 0.035 LBS/MMSCF NOX emission limit(s) shall only apply during the interim reporting period after initial boiler commissioning to report RECLAIM emissions. The interim reporting shall not exceed 12 months from start of operation of this equipment. The NOx emission limit shall be defined as NOx emission factor.

[RULE 2012, 5-6-2005]

[Devices subject to this condition : D1629, D1634]

A195.2 The 10 PPMV NH3 emission limit(s) is averaged over consecutive 60 minutes at 3 percent O2 dry.

[RULE 1105.1, 11-7-2003]

[Devices subject to this condition : C1575, C1576, C1577]

A195.3 The 51.9 PPMV NOX emission limit(s) is averaged over 365-day rolling and at 0% O2.

For the purposes of this condition, this limit is a long term limit which applies at all times including during start-up, shutdown, malfunction and hydrotreater outages as well as operation of the FCCU with or witthout the CO Boiler operating .

[CONSENT DECREE, 3-21-2001]

[Devices subject to this condition : D96]

A195.4 The 36.2 PPMV SOX emission limit(s) is averaged over 365-day rolling at 0% O2.

For the purposes of this condition, this limit is a long term limit which applies at all times including during start-up, shutdown, malfunction and hydrotreater outages as well as operation of the FCCU with or witthout the CO Boiler operating.

[CONSENT DECREE, 3-21-2001]

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

[Devices subject to this condition : D96]

A195.5 The 63.2 PPMV NOX emission limit(s) is averaged over 24-hour rolling at 0% O2.

For the purposes of this condition, this limit shall apply when the FCCU and CO boiler are operating and does not apply during periods of start-up, shutdown, malfunction and hydrotreater outages.

[CONSENT DECREE, 3-21-2001]

[Devices subject to this condition : D96]

A195.6 The 88.6 PPMV NOX emission limit(s) is averaged over 24-hour rolling at 0% O2.

For the purposes of this condition, this limit shall apply when only the FCCU is operating and does not apply during periods of start-up, shutdown, malfunction and hydrotreater outages.

[CONSENT DECREE, 3-21-2001]

[Devices subject to this condition : D96]

A195.8 The 69.1 PPMV SOX emission limit(s) is averaged over 7-day rolling at 0% O2.

For the purposes of this condition, this limit shall apply when only the FCCU is operating and does not apply during periods of start-up, shutdown, malfunction and hydrotreater outages.

[CONSENT DECREE, 3-21-2001]

[Devices subject to this condition : D96]

A195.12 The 9 PPMV NOX emission limit(s) is averaged over 1 hour at 3 percent O2 dry.

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

The 9 ppm (1- hour) NOx shall apply when the boiler fires refinery fuel gas or a mixture of refinery fuel gas and natural gas with greater or equal 50% of heat input from refinery fuel gas.

This NOx hourly emission limit shall be calculated based on the measured NOx emissions using a certified RECLAIM CEMS and the heat input during all boiler operating hours except during:.

Any District required source test performed without ammonia.

Periods when the exhaust temperature at the entrance to the SCR catalyst bed is less than 546 degree F, which is the minimum ammonia injection temperature.

RATA testing; RECLAIM Missing Data Period; Calibration and maintenance periods; Equipment breakdown periods as defined in Rule 2004; and periods of zero fuel flow.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 2005, 5-6-2005]

[Devices subject to this condition : D1629, D1634]

A195.13 The 7 PPMV NOX emission limit(s) is averaged over a calender month and is at dry conditions, corrected to 3 percent oxygen.

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

The 7 ppm(monthly) NOx shall apply when the boiler fires refinery fuel gas or a mixture of refinery fuel gas and natural gas with greater or equal 50% of heat input from refinery fuel gas.

This NOx calendar monthly emission limit shall be calculated based on the measured NOx emissions using a certified RECLAIM CEMS and the heat input during all boiler operating hours for the calendar month except during:.

Any District required source test performed without ammonia.

Periods of the exhaust temperature entering the SCR catalyst is less than 546 degree F, which is the minimum ammonia injection temperature:.

RATA testing; RECLAIM Missing Data Period; Calibration and maintenance periods; Equipment breakdown periods as defined in Rule 2004; and periods of zero fuel flow.

A data acquisition system(DAS) shall be installed and maintained to record the parameters necessary to determine the calendar monthly NOx concentration. In addition, the DAS shall calculate and display on demand the average monthly NOx PPM.

Any DAS concentration data and calculation shall be completed within 72 hours after the end of the calender month. The recorded parameters and the calculated average monthly NOx PPM shall be kept for a period as stated in the section E of this facility permit and shall be readily available to the District personnel upon request.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 2005, 5-6-2005]

[Devices subject to this condition : D1629, D1634]

A195.14 The 50 PPMV CO emission limit(s) is averaged over 1 hour at 3 percent O2 dry.

[RULE 1703(a)(2) - PSD-BACT, 10-7-1988]

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

[Devices subject to this condition : D1629, D1634]

A195.15 The 5 PPMV NH3 emission limit(s) is averaged over 1 hour at 3 percent O2 dry.

The operator shall calculate and continuously record the NH3 slip concentration using the following:NH3(ppmv)=[a-b*c/1E6]*1E6/b, where a=NH3 injection rate(lb/hr)/17 (lb/lbmole), b= dry exhaust gas flow rate (scf/hr)/385.3 scf/lbmole, and c= change in measured NOx across the SCR(ppmv at 3 percent O2). The operator shall install and maintain a NOx analyzer to measure the SCR inlet NOx ppm accurate to within plus or minus 5 percent, calibrated at least once every 12 months.

The NH3 analyzer shall be installed and operated within 90 days of initial start up.

The operator shall use the method described above or another alternative method approved by the Executive Officer.

The ammonia slip calculation procedures described above shall not be used for compliance determination for emission information determination without corroborative data using an approved reference test method for the determination of ammonia.

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

[Devices subject to this condition : D1629, D1634]

A195.16 The 5 PPMV NOX emission limit(s) is averaged over 1 hour at 3 percent O2 dry.

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

The 5 ppm (1- hour) NOx limit shall apply when the boiler fires natural gas or a mixture of refinery fuel gas and natural gas with less 50% of heat input from refinery fuel gas.

This NOx hourly emission limit shall be calculated based on the measured NOx emissions using a certified RECLAIM CEMS and the heat input during all boiler operating hours except during:.

Any District required source test performed without ammonia

Periods of the exhaust temperature at the entrance of the SCR catalyst bed is less than 546 degree F, which is the minimum ammonia injection temperature

RATA testing; RECLAIM Missing Data Period; calibration and maintenance periods;equipment breakdown periods as defined in Rule 2004; and periods of zero fuel flow

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 2005, 5-6-2005]

[Devices subject to this condition : D1629, D1634]

A305.1 Whenever this equipment is in operation, the SCR serving this equipment, C764, is not required to be in operation, but may be operated at any control efficiency provided that the emission concentrations being monitored by the certified CEMS serving this equipment is below the valid upper range specified in the approved CEMS plan.

[RULE 2012, 5-6-2005]

[Devices subject to this condition : D9]

A327.2 For the purpose of determining compliance with District Rule 476, combustion contaminant emissions may exceed the concentration limit or the mass emission limit listed, but not both limits at the same time.

[RULE 476, 10-8-1976]

[Devices subject to this condition : D1629, D1634]

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

B. Material/Fuel Type Limits

B59.2 The operator shall only use the following material(s) in this device :

Perchloroethylene

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

[Devices subject to this condition : D1533]

B59.7 The operator shall only use the following material(s) in this device :

Refinery fuel gas meeting sulfur limit specified by condition B61.8, natural gas, or mixture of refinery fuel gas and natural gas

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

[Devices subject to this condition : D1629, D1634]

B61.1 The operator shall not use fuel gas containing the following specified compounds:

Compound	ppm by volume
H2S greater than	160

The H2S concentration limit shall be based on a rolling 3-hour averaging period

[40CFR 60 Subpart J, 6-24-2008; CONSENT DECREE, 3-21-2001]

[Devices subject to this condition : D9, D112, D216, D217]

B61.4 The operator shall not use fresh feed containing the following specified compounds:

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

Compound	weight percent
Total sulfur greater than	0.3

[40CFR 60 Subpart J, 6-24-2008; CONSENT DECREE, 3-21-2001]

[Devices subject to this condition : D96]

B61.8 The operator shall not use refinery fuel gas containing the following specified compounds:

Compound	ppm by volume
total sulfur compounds calculated as H2S greater than	40

The total reduced sulfur concentration limit shall apply to refinery fuel gas and be based on one-hour averaging period and measured before blending with natural gas

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

[Devices subject to this condition : D1629, D1634]

B61.10 The operator shall not use fuel gas containing the following specified compounds:

Compound	ppm by volume
H2S greater than	162
H2S greater than	60

The 162 ppm limit shall be based on a rolling 3-hour averaging period

The 60 ppm limit shall be based on a rolling 365 successive calendar day rolling average

[40CFR 60 Subpart Ja, 6-24-2008]

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[Devices subject to this condition : D1629, D1634]

C. Throughput or Operating Parameter Limits

C1.23 The operator shall limit the number of turnovers to no more than 183 in any one year.

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

[Devices subject to this condition : D562, D563]

C1.34 The operator shall limit the throughput to no more than 12000 gallon(s) per year.

The operator shall use the purchase invoices to determine the throughput of stored liquid.

[RULE 1401, 3-7-2008]

[Devices subject to this condition : D1533]

C1.36 The operator shall limit the throughput to no more than 350,000 barrel(s) in any one calendar month.

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

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

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

The ATLGS installed shall be verified once per quareter by comparing against a manual tank level measurement. If the ATLGS differs from the manual tank level measurement by more than 1.0 inch or 0.8%, whichever is greater, the ATLGS shall be repaired and back to service within 10 days.

In the event of a failure or routine maintenance of the ATLGS, the ATLGS shall be repaired and put back into service within 10 days of the time that the ATLGS failed or was removed from service for maintenance. While the ATLGS is being repaired or maintained, the throughput shall be determined by the hourly tank level data averaged from the previous 30 days prior to time that the ATLGS went out of service.

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

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

[Devices subject to this condition : D659]

C1.52 The operator shall limit the heat input to no more than 352 MM Btu per hour.

[RULE 1303(b)(2)-Offset, 12-6-2002; **RULE 2005, 5-6-2005**]

[Devices subject to this condition : D1629, D1634]

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

C6.2 The operator shall use this equipment in such a manner that the hydrocarbon concentration being monitored, as indicated below, does not exceed 30 percent of the Lower Explosive Limit.

The operator shall use an explosimeter or equivalent device to monitor the hydrocarbon concentration in the vapor space above the floating roof device twice a year to a 4 to 8 month interval.

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

[Devices subject to this condition : D659]

C12.2 The operator shall use this equipment in such a manner that the ESP daily average voltage and secondary current (or total power input) being monitored as indicated below are greater than or equal to the average value in the most recent source test which demonstrated compliance with the emission limits.

The operator shall install and maintain a continuous monitoring and recording system to accurately measure and record the:

1. Total flue gas inlet temperature to ESPs
2. Total flue gas flow rate
3. Current across each ESP
4. Voltage across each ESP

at each ESP. In addition, the operator shall keep records, in a manner approved by the District, for each of these parameters.

If the daily average ESP total power input falls below the level measured in the most recent source test which demonstrated compliance with the emission limit, a source test shall be performed within 90 days at the new minimum daily average ESP total power level. The source test shall be performed according to the requirements specified in Permit Condition D29.8

[RULE 1105.1, 11-7-2003]

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

[Devices subject to this condition : C1575, C1576, C1577]

C157.1 The operator shall install and maintain a pressure relief valve set at 50 psig.

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

[Devices subject to this condition : D1628]

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.

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]

D12.10 The operator shall install and maintain a(n) flow meter to accurately indicate the flow rate of the total hourly throughput of injected ammonia.

The operator shall also install and maintain a device to continuously record the parameter being measured

The measuring device or gauge shall be accurate to within plus or minus 5 percent. It shall be calibrated once every 12 months.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 2011, 5-6-2005]

[Devices subject to this condition : C1631, C1636]

D12.11 The operator shall install and maintain a(n) temperature reading device to accurately indicate the temperature of the boiler exhaust at the inlet to the SCR reactor.

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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 measured.

The measuring device or gauge shall be accurate to within plus or minus 5 percent. It shall be calibrated once every 12 months.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 2012, 5-6-2005]

[Devices subject to this condition : C1631, C1636]

D12.12 The operator shall install and maintain a(n) pressure gauge to accurately indicate the differential pressure across the the SCR catalyst bed in inches water column.

The operator shall also install and maintain a device to continuously record the parameter being measured.

The measuring device or gauge shall be accurate to within plus or minus 5 percent. It shall be calibrated once every 12 months.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 2012, 5-6-2005]

[Devices subject to this condition : C1631, C1636]

D28.3 The operator shall conduct source test(s) in accordance with the following specifications:

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

The test shall be conducted to confirm the emission limits of this equipment as specified in Condition A63.2 for device D32 and Condition A63.10 for device D9.

The test shall be conducted to determine and report the mass emission rate in pound per hour for ROG, PM10 and CO.

Source test shall be conducted when this equipment is operating at 80 percent or greater of the permitted maximum rated capacity.

The test shall be conducted to confirm the CO emission concentration limit of 35 ppm, corrected to 3 percent oxygen, dry basis.

The test shall be conducted within 60 days after achieving maximum production rate, but no later than 180 days after initial start-up.

The District shall be notified of the date and time of the test at least 10 days prior to the test.

The test shall be conducted at least once every three years for ROG, PM10 and CO emissions.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D9]

D28.8 The operator shall conduct source test(s) in accordance with the following specifications:

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

The test shall be conducted to determine emission rate of NOx, SOx, ROG, CO, PM and PM10. The operator shall submit a test protocol to the District at least 60 days prior to the initial testing. The initial and annual test shall be conducted according to the approved test protocol or any subsequently approved revisions. The report of the test and operating condition of the equipment shall be submitted to the District within 60 days after the test.

The District shall be notified of the date and time of the test at least 10 days prior to the test.

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

[Devices subject to this condition : D96]

D28.10 The operator shall conduct source test(s) in accordance with the following specifications:

The test shall be conducted before and after the boiler burner modification have been completed. The post-modification source test shall be conducted within 210 days of initial startup.

The test shall be conducted to determine emission rate of NOx, SOx, ROG and CO.

The District shall be notified of the date and time of the test at least 10 days prior to the test.

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

[Devices subject to this condition : D112]

D28.11 The operator shall conduct source test(s) in accordance with the following specifications:

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

The test shall be conducted within 60 days after achieving maximum production rate, but no later than 180 days after initial start-up.

Source test shall be conducted when this equipment is operating at 80 percent or greater of the permitted maximum rated capacity.

The test shall be conducted to determine and report the mass emission rate in pound per hour for NOx, SOx, ROG and CO.

The District shall be notified of the date and time of the test at least 10 days prior to the test.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D216, D217]

D29.1 The operator shall conduct source test(s) for the pollutant(s) identified below.

Pollutant(s) to be tested	Required Test Method(s)	Averaging Time	Test Location
PM emissions	Approved District method	1 hour	Outlet

The test(s) shall be conducted at least annually.

The test shall be conducted when the equipment is operating under normal conditions.

Source test results shall be submitted to the District no later than 60 days after the source test was conducted

Source test results shall include the following parameters: FCCU feed rate; catalyst recirculation rate; coke burn rate; oxygen content of exhaust gases; exhaust flow rate; exhaust gas moisture content; the flue gas temperature at the outlet of the ESP; and the average current, voltage, and spark rate at each of the ESP fields

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

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 404, 2-7-1986; RULE 405, 2-7-1986; CONSENT DECREE, 3-21-2001]

[Devices subject to this condition : D96]

D29.8 The operator shall conduct source test(s) for the pollutant(s) identified below.

Pollutant(s) to be tested	Required Test Method(s)	Averaging Time	Test Location
PM10 emissions	District Method 5.2 Modified with EPA Method 201A Cyclone (filterables compliance, condensables information)	District-approved averaging time	Combined Stack Outlet of the ESP's
PM10 emissions	District Method 5.2 (filterables compliance, condensables information)	District-approved averaging time	Combined Stack Outlet of the ESP's
PM10 emissions	District Method 5.2 with Previously Determined PM10 to PM Ratio Applied (filterables compliance, condensables information)	District-approved averaging time	Combined Stack Outlet of the ESP's
PM10 emissions	EPA Method 5 (filterables compliance) and District Method 5.2 (condensables information)	District-approved averaging time	Combined Stack Outlet of the ESP's

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NH3 emissions	District method 207.1	1 hour	Combined Stack Outlet of the ESP's
NOX emissions	District method 100.1	1 hour	Combined Stack Outlet of the ESP's
CO emissions	District Method 100.1 or 10.1	1 hour	Combined Stack Outlet of the ESP's
VOC	District Method 25.1 or 25.3	1 hour	Combined Stack Outlet of the ESP's

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

The operator shall choose any of the PM10 test methods as indicated above to comply with Rule 1105.1 requirements and the test results of any of the selected test methods shall be used to determine compliance with Rules 404 and 405.

For the purpose of this condition filterable PM10 is the PM10 collected on the cyclone exit, probe, and filter(s) of the applicable test methods referenced above. Condensable PM10 is the PM10 collected in the impingers of the applicable test methods referenced above

The test shall be conducted after AQMD approval of the source test protocol, but no later than 180 days after initial start-up of the new ESP's. The AQMD engineer shall be notified in writing of the date and time of the test at least 10 days prior to the test.

The test shall be conducted in accordance with AQMD approves source test protocol. The protocol shall be submitted to the AQMD no later than 45 days before the proposed test date and shall be approved by the AQMD before test commences. The test protocol shall include the proposed operating conditions of the FCCU during the test, the identity of the test lab, a statement from the testing lab certifying that it meets the criteria of R-304, and a description of all sampling and analytical procedures.

The test shall be conducted at two different throughput ranges. The 1st throughput range when the FCCU is operating at 30.9 thousand barrels a day or less. The 2nd throughput range when the FCCU is operating at 30.9 thousand barrels per day or more.

The test(s) shall be conducted at least every year with the two different ranges after initial source test(s).

Source test results shall include the following parameters: FCCU feed rate in BPD; catalyst recirculation rate in BPD; catalyst inventory in the equipment; fresh catalyst feed; coke burn rate; oxygen content of exhaust gases; exhaust flow rate; exhaust gas moisture content; the flue gas temperature at the outlet of the ESP; ammonia injection rate prior to the ESPs(if applicable) and the average current in amps , voltage in volts and spark rate at each ESP field in use

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

A source test report shall be submitted to the District no later than 60 days after the source test was completed

[RULE 1105.1, 11-7-2003; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 404, 2-7-1986; RULE 405, 2-7-1986]

[Devices subject to this condition : C1575, C1576, C1577]

D29.10 The operator shall conduct source test(s) for the pollutant(s) identified below.

Pollutant(s) to be tested	Required Test Method(s)	Averaging Time	Test Location
NH3 emissions	Approved District method	1 hour	Outlet of the SCR

The test shall be conducted at least quarterly during the first twelve months of operation and at least annually therafter. The NOx concentration, as determined by the CEMS, shall be simultaneously recorded during the ammonia slip test. If the CEMS is inoperable or not yet certified, the test shall be conducted to determine the NOx emissions using District Method 100.1 measured over 60 minutes averaging time period.

The test shall be conducted no later than 180 days after initial start up

The test results shall be submitted to the District within 60 days after the test date. The AQMD shall be notified of the date and time of the test at least 7 days prior to the test

The test shall be conducted to demonstrate compliance with Rule 1303 concentration limit. If the equipment is not operated in any given quarter, the operator may elect to defer the required testing to a quarter in which the equipment is operated.

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

[Devices subject to this condition : C1631, C1636]

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

D29.12 The operator shall conduct source test(s) for the pollutant(s) identified below.

Pollutant(s) to be tested	Required Test Method(s)	Averaging Time	Test Location
NOX emissions	District method 100.1	1 hour	Outlet of the SCR
CO emissions	District method 100.1	1 hour	Outlet of the SCR
SOX emissions	AQMD Laboratory Method 307-91	District-approved averaging time	fuel sample
VOC emissions	District Method 25.3	1 hour	Outlet of the SCR
PM10 emissions	District Method 5	District-approved averaging time	Outlet of the SCR

The test shall be conducted after AQMD approval of the source test protocol, but no later than 180 days after initial start-up. The AQMD shall be notified of the date and time of the test at least 10 days prior to the test.

The test shall be conducted to determine the oxygen levels in the exhaust. In addition, the test shall record the fuel flow rate(CFH), the flue gas flowrate.

The test shall be conducted in accordance with AQMD approved source test protocol. The protocol shall be submitted to the AQMD(attention:Sawsan Andrawis) no later than 45 days before the proposed test date and shall be approved by the AQMD before test commences. The test protocol shall include the proposed operating conditions of the boiler during the test, the identity of the testing lab, a statement from the testing lab certifying that it meets the criteria of Rule 304, and a description of all sampling and analytical procedures.

The test shall be conducted when this equipment is operating at maximum, average, and minimum load.

[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; RULE 1703(a)(2) - PSD-BACT, 10-7-1988; **RULE 2005, 4-20-2001; RULE 2005, 5-6-2005]**

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:

[Devices subject to this condition : D1629, D1634]

D29.13 The operator shall conduct source test(s) for the pollutant(s) identified below.

Pollutant(s) to be tested	Required Test Method(s)	Averaging Time	Test Location
VOC emissions	District Method 25.3	1 hour	Outlet of the SCR
PM10 emissions	District Method 5	District-approved averaging time	Outlet of the SCR

The test shall be conducted at least once every three years.

The test shall be conducted and the results submitted to the AQMD within 60 days after the test date. The AQMD shall be notified of the date and time of the test at least 7 days prior to the test.

The test shall be conducted when this equipment is operating at least at 80 percent of maximum load.

The test shall be conducted to demonstrate compliance with all applicable emission limits.

[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]

[Devices subject to this condition : D1629, D1634]

D82.2 The operator shall install and maintain a CEMS to measure the following parameters:

CO concentration in ppmv

Oxygen concentration in percent volume

[40CFR 60 Subpart J, 6-24-2008; CONSENT DECREE, 3-21-2001]

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:

[Devices subject to this condition : D96]

D82.5 The operator shall install and maintain a CEMS to measure the following parameters:

CO concentration in ppmv at the outlet of the SCR serving the equipment

Concentrations shall be corrected to 3 percent oxygen on a dry basis.

The CEMS shall be installed and operated no later than 90 days after initial start up of the boiler and in accordance with an approved AQMD Rule 218 CEMS plan application. The operator shall not install the CEMS prior to receiving initial approval. Within two weeks of the boiler start-up, the operator shall provide written notification to the AQMD of the exact date of start-up

[RULE 1703(a)(2) - PSD-BACT, 10-7-1988]

[Devices subject to this condition : D1629, D1634]

D82.6 The operator shall install and maintain a CEMS to measure the following parameters:

NOX concentration in ppmv at the outlet of the SCR serving the equipment

Concentrations shall be corrected to 3 percent oxygen on a dry basis.

The CEMS shall be installed and operating no later than 90 days after initial start up of the boiler, and shall comply with the requirements of Rule 2012. During the interim period between the initial start-up and the provisional certification date of the CEMS, the operator shall comply with the monitoring requirements of Rule 2012(h)(2) and 2012(h)(3). Within two weeks of boiler start-up date, the operator shall provide written notification to the District of the exact date of start-up

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

[Devices subject to this condition : D1629, D1634]

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:

D90.7 The operator shall continuously monitor the H2S concentration in the fuel gases before being burned in this device according to the following specifications:

The operator shall use Gas Chromatograph meeting the requirements of 40CFR60 Subpart J to monitor the parameter.

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

The operator may monitor the H2S concentration at a single location for fuel combustion devices, if monitoring at this location accurately represents the concentration of H2S in the fuel gas being burned in this device.

[40CFR 60 Subpart J, 6-24-2008]

[Devices subject to this condition : D9, D112, D216, D217]

D90.8 The operator shall continuously monitor the opacity at the stack according to the following specifications:

The operator shall use an opacity meter to monitor the parameter.

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

[40CFR 60 Subpart J, 6-24-2008; CONSENT DECREE, 3-21-2001]

[Devices subject to this condition : D96]

D90.11 The operator shall continuously monitor the temperature in degree F of the flue gas at the inlet to the ESP according to the following specifications:

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TESORO REFINING AND MARKETING CO

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

The operator shall monitor once every 15 minutes.

The operator shall automatically record electronically the above parameter at least one measurement every hour. These records shall be maintained for at least five years and made available to AQMD personnel upon request

The continuous monitor shall be installed and operated whenever the ESP is operating

Monitoring and recording of this parameter shall not be required during periods of routine maintenance or malfunction of the monitoring and recording devices

The temperature monitor shall have a minimum range from 500 to 710 degrees F and be accurate to within plus or minus 5 percent and shall be calibrated at least once every 12 months

[**RULE 1105.1, 11-7-2003**]

[Devices subject to this condition : C1575, C1576, C1577]

D90.12 The operator shall continuously monitor the the flow rate in scfm of the flue gas at the inlet to the ESP according to the following specifications:

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 monitor once every 15 minutes.

The operator shall automatically record electronically the above parameter at least one measurement every hour. These records shall be maintained for at least five years and made available to AQMD personnel upon request

The continuous monitor shall be installed and operated whenever the ESP is operating

Monitoring and recording of this parameter shall not be required during periods of routine maintenance or malfunction of the monitoring and recording devices

The flow rate monitor shall have a minimum range of 55,000 to 75,000 scfm and be accurate to within plus or minus 5 percent and shall be calibrated at least once every 12 months

[RULE 1105.1, 11-7-2003]

[Devices subject to this condition : C1575, C1576, C1577]

D90.13 The operator shall continuously monitor the voltage in volts across the ESP's T/R sets according to the following specifications:

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TESORO REFINING AND MARKETING CO

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

The operator shall monitor once every 15 minutes.

The operator shall automatically record electronically the above parameter at least one measurement every hour. These records shall be maintained for at least five years and made available to AQMD personnel upon request

The continuous monitor shall be installed and operated whenever the ESP is operating

Monitoring and recording of this parameter shall not be required during periods of routine maintenance or malfunction of the monitoring and recording devices

The voltage monitor shall have a minimum range of 15 to 54 KV and be accurate to within plus or minus 5 percent and shall be calibrated at least once every 12 months

[RULE 1105.1, 11-7-2003]

[Devices subject to this condition : C1575, C1576, C1577]

D90.14 The operator shall continuously monitor the current in amperes across the ESP's T/R sets according to the following specifications:

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 monitor once every 15 minutes.

The operator shall automatically record electronically the above parameter at least one measurement every hour. These records shall be maintained for at least five years and made available to AQMD personnel upon request

The continuous monitor shall be installed and operated whenever the ESP is operating

Monitoring and recording of this parameter shall not be required during periods of routine maintenance or malfunction of the monitoring and recording devices

The current monitor shall have a minimum range of 400 to 1867 Amps and be accurate to within plus or minus 5 percent and shall be calibrated at least once every 12 months

[**RULE 1105.1, 11-7-2003**]

[Devices subject to this condition : C1575, C1576, C1577]

D90.15 The operator shall continuously monitor the the NH3 injection rate in scfh at the ESP inlet according to the following specifications:

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 monitor once every 15 minutes.

The operator shall automatically record electronically the above parameter at least one measurement every hour. These records shall be maintained for at least five years and made available to AQMD personnel upon request

The continuous monitor shall be installed and operated whenever the ESP is operating

Monitoring and recording of this parameter shall not be required during periods of routine maintenance or malfunction of the monitoring and recording devices

The NH3 injection rate monitor shall have a minimum range of 0 to 300 scfh and be accurate to within plus or minus 5 percent and shall be calibrated at least once every 12 months

[RULE 1105.1, 11-7-2003]

[Devices subject to this condition : C1575, C1576, C1577]

D90.20 The operator shall continuously monitor the H2S concentration in the fuel gases before being burned in this device according to the following specifications:

The operator shall use Gas Chromatograph meeting the requirements of 40CFR60 Subpart Ja to monitor the parameter.

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

The operator may monitor the H2S concentration at a single location for fuel combustion devices, if monitoring at this location accurately represents the concentration of H2S in the fuel gas being burned in this device.

[40CFR 60 Subpart Ja, 6-24-2008]

[Devices subject to this condition : D1629, D1634]

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TESORO REFINING AND MARKETING CO

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

D90.21 The operator shall continuously monitor the total sulfur compounds calculated as H2S concentration in the refinery fuel gas before being burned in this device and before blending with natural gas according to the following specifications:

The CEMS shall be approved by the District before the initial start-up

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

The operator may monitor the total sulfur compounds calculated as H2S concentration at a single location for fuel combustion devices, if monitoring at this location accurately represents the concentration of the total sulfur coumpouds calculated as H2S in the fuel gas being burned in this device.

[RULE 2005, 5-6-2005]

[Devices subject to this condition : D1629, D1634]

FACILITY PERMIT TO OPERATE
TESORO REFINING AND MARKETING CO

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

D323.1 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 semi-annual basis, at least, unless the equipment did not operate during the entire semi-annual period. The routine semi-annual 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

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

[Devices subject to this condition : D34, D41, D45, D46, D47, D49, D1155, D1156, D1157, D1158, D1159, D1160, D1161, D1162, D1164, D1165, D1288, D1438]

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:

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]

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

[Devices subject to this condition : C747, C748]

D323.3 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 monthly basis, at least, unless the equipment did not operate during the entire monthly period. The routine monthly 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.

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

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

[Devices subject to this condition : C1575, C1576, C1577]

D328.1 The operator shall determine compliance with the CO emission limit(s) either: (a) conducting a source test at least once every five years using AQMD Method 100.1 or 10.1; or (b) conducting a test at least annually using a portable analyzer and AQMD-approved test method. The test shall be conducted when the equipment is operating under normal conditions to demonstrate compliance with CO emission limit(s). The operator shall comply with all general testing, reporting, and recordkeeping requirements in Sections E and K of this permit.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 407, 4-2-1982]

[Devices subject to this condition : D9, D112]

D328.2 The operator shall determine compliance with the CO emission limit(s) either: (a) conducting a source test at least once every five years using AQMD Method 100.1 or 10.1; or (b) conducting a test at least annually using a portable analyzer and AQMD-approved test method. The test shall be conducted when the equipment is operating under normal conditions to demonstrate compliance with CO emission limit(s). The operator shall comply with all general testing, reporting, and recordkeeping requirements in Sections E and K of this permit.

[RULE 1146, 11-17-2000; RULE 1146, 9-5-2008; **RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 407, 4-2-1982]**

[Devices subject to this condition : D216, D217]

E. Equipment Operation/Construction Requirements

E54.2 The operator is not required to vent this equipment to the following equipment if any of the requirements listed below are met:

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

Device ID: C773 [SELECTIVE CATALYTIC REDUCTION SYSTEM]

Requirement number 1: The heater is in either start-up or shutdown mode.

Requirement number 2: The SCR inlet temperature is less than 550 Deg F.

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

[Devices subject to this condition : D216, D217]

E54.12 The operator is not required to vent this equipment to the following equipment if all of the requirements listed below are met:

Device ID: C773 [SELECTIVE CATALYTIC REDUCTION]

Requirement number 1: Bypass is allowed for activities directly related to repair, maintenance, and the resetting of the damper following a stack damper trip

Requirement number 2: The CEMS shall be fully operational and certified to the levels of emissions with and without bypass

Requirement number 3: Total periods of bypass do not exceed 240 hours per year

Requirement number 4: The operator shall submit an annual report to the District with a summary of the number of hours the SCR was bypassed, and the description of the reason for each bypass. The annual report is due March 1 of each year

[RULE 2012, 5-6-2005]

[Devices subject to this condition : D216, D217]

E73.2 Notwithstanding the requirements of Section E conditions, the operator may, at his discretion, choose not to use ammonia injection if any of the following requirement(s) are met:

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

the filterable PM10 emissions to the atmosphere are: 3.6 lbs/hr when the feed rate to the FCCU is equal to or lower than 30.9 thousand barrels per day and 2.8 lbs per 1000 bbl fresh feed when the feed rate is greater than 30.9 thousand barrels per day

[RULE 1105.1, 11-7-2003]

[Devices subject to this condition : C1575, C1576, C1577]

E73.3 Notwithstanding the requirements of Section E conditions, the operator is not required to use more than one flare gas recovery compressor if:

The load on the flare gas recovery system is not sufficient to require more than one flare gas recovery compressor to be online

[RULE 1118, 11-4-2005]

[Devices subject to this condition : D1600, D1601, D1602, D1603, D1604]

E73.5 Notwithstanding the requirements of Section E conditions, the operator may, at his discretion, choose not to use ammonia injection if any of the following requirement(s) are met:

The inlet exhaust temperature to the SCR reactor is below 546 Deg F

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; **RULE 2005, 5-6-2005]**

[Devices subject to this condition : C1631, C1636]

E144.1 The operator shall vent this equipment, during filling, only to the vessel from which it is being filled.

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

[Devices subject to this condition : D1628]

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

E179.3 For the purpose of the following condition number(s), continuously record shall be defined as once every hour and shall be calculated upon average of the continuous monitoring for that hour.

Condition Number D 12-10

Condition Number D 12-11

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 2012, 12-5-2003; RULE 2012, 1-7-2005]

[Devices subject to this condition : C1631, C1636]

E179.4 For the purpose of the following condition number(s), continuously record shall be defined as once every month and shall be calculated upon average of the continuous monitoring for that month.

Condition Number D 12-12

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 2012, 12-5-2003; RULE 2012, 1-7-2005]

[Devices subject to this condition : C1631, C1636]

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 Subpart A of the 40CFR60

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

[Devices subject to this condition : C747, C748]

E193.2 The operator shall construct, operate, and maintain this equipment according to the following specifications:

The operator shall comply with all mitigations measures stipulated by the AQMD Certified Negative Declaration dated April 27, 2006

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

[CA PRC CEQA, 11-23-1970]

[Devices subject to this condition : C1575, C1576, C1577]

E193.3 The operator shall operate and maintain this equipment as follows:

Whenever the ESP system (Devices C1575, C1576 and C1577) is in operation and venting the FCCU Regenerator Catalyst fine exhaust, the operator shall maintain in operation a minimum of 2 of 3 ESP units , each with a minimum of 7 of 8 active transformer/rectifier sets.

The operator shall not operate the FCCU if emissions from the FCCU to the atmosphere exceed the following limits for filterable PM10: 3.6 lbs/hr when the fresh feed to the FCCU is equal to or less than 30.9 thousand barrels per day, and 2.8 lbs per 1000 bbl fresh feed when the feed rate is greater than 30.9 thousand barrels per day.

[RULE 1105.1, 11-7-2003]

[Devices subject to this condition : C1575, C1576, C1577]

E193.4 The operator shall operate and maintain this equipment according to the following requirements:

The operator shall discharge dust collected in the ESP's only into leak-free hoppers or closed container bins equipped with fabric sock filters. The dust from these hoppers shall be loaded into vacuum trucks which are leak-free.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; **RULE 401, 3-2-1984;** RULE 401, 11-9-2001]

[Devices subject to this condition : C1575, C1576, C1577]

E336.2 The operator shall vent the vent gases from this equipment as follows:

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

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

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

[Devices subject to this condition : D562, D563, D1567]

E336.3 The operator shall vent the vent gases from this equipment as follows:

All vent gases under normal operating conditions shall be directed to the DCU Blowdown Recovery system.

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

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

[Devices subject to this condition : D20]

H. Applicable Rules

H23.3 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
H2S	40CFR60, SUBPART	J

[40CFR 60 Subpart J, 6-24-2008; CONSENT DECREE, 3-21-2001]

[Devices subject to this condition : D9, D112, D216, D217]

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

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]

H23.5 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 : D1357, D1361, D1419, D1454, D1477]

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, D1380]

H23.32 This equipment is subject to the applicable requirements of the following rules or regulations:

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

Contaminant	Rule	Rule/Subpart
CO	40CFR60, SUBPART	J
PM	40CFR60, SUBPART	J
Visible Emissions	40CFR60, SUBPART	J
SOX	40CFR60, SUBPART	J

[40CFR 60 Subpart J, 6-24-2008]

[Devices subject to this condition : D96]

H23.33 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	463
VOC	District Rule	1149
VOC	District Rule	1178
VOC	40CFR60, SUBPART	Kb

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

[Devices subject to this condition : D659]

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

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:

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:

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 : D1600, D1601, D1602, D1603, D1604, D1608]

H23.40 This equipment is 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]

[Devices subject to this condition : D562, D563, D1480, D1481, D1482, D1483, D1484, D1485]

I. Administrative

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:

I1.1 The operator shall comply with all the requirements of the conditions and compliance schedule as specified in the Variance, Case No. 4982-77, issued on April 24, 2007, in accordance with the Findings and Decisions of the Hearing Board or as subsequently modified by the Hearing Board. The operator shall submit progress reports at least semi-annually, or more frequently if specified in the Findings and Decisions. The progress reports shall contain dates for achieving activities, milestones or compliance required in the schedule of compliance and dates when such activities, milestones or compliance were achieved; and an explanation of why any dates in the schedule of compliance were not, or will not be met, and any preventative or corrective measures adopted.

The variance (or Order for Abatement) referenced in this condition does not affect federal or citizen enforceability of the underlying SIP approved rules for which the applicant is receiving the variance (or Order for Abatement).

[RULE 3004(a)(10)(C), 12-12-1997]

[Devices subject to this condition : C747, C748]

I30.1 In accordance with Rule 3002(a)(3), the permit for this equipment is being issued as a non-Title V permit.

The facility permit holder shall file an application for a Title V permit revision for this equipment within 90 days of the issuance of the facility's initial Title V permit.

[RULE 3002, 11-14-1997]

[Devices subject to this condition : D10, D11, D15, D16, D17, D18, D19, D20, D24, D25, D26, D27, D28, D29, D30, D31, D641, D642, D643, D644, D886, D887, D890, D891, D892, D893, D894, D895, D896, D900, D901, D904, D906, D969, D1088, D1132, D1133, D1134, D1135, D1136, D1137, D1141, D1143, D1147, D1149, D1151, D1316, D1357, D1477, D1567, D1600, D1601, D1602, D1603, D1604, D1605, D1606, D1607, D1608, D1615, D1616, D1661, D1662, D1663]

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:

I296.1 This equipment shall not be operated unless the operator demonstrates to the Executive Officer that the facility holds sufficient RTCs to offset the prorated annual emissions increase for the first compliance year of operation. In addition, this equipment shall not be operated unless the operator demonstrates to the Executive Officer that, at the commencement of each compliance year after the first compliance year of operation, the facility holds sufficient RTCs in an amount equal to the annual emissions increase.

[RULE 2005, 5-6-2005]

[Devices subject to this condition : D9]

I296.3 This equipment shall not be operated unless the operator demonstrates to the Executive Officer that the facility holds sufficient RTCs to offset the prorated annual emissions increase for the first compliance year of operation. In addition, this equipment shall not be operated unless the operator demonstrates to the Executive Officer that, at the commencement of each compliance year after the first compliance year of operation, the facility holds sufficient RTCs in an amount equal to the annual emissions increase.

To comply with this condition, the operator shall prior to the first compliance year hold a minimum 49,568 lbs/yr of NOx RTCs and 13,393 lbs/yr of SOx RTCs. This condition shall apply to the first year of operation, commencing with the initial operation of the boiler

To comply with this condition, the operator shall, prior to the begining of all years subsequent to the first compliance year, hold a minimum 40,594 lbs/yr of NOx RTCs and 12,789 lbs/yr of SOx RTCs for operation of the boiler. In accordance with Rule 2005(f), unused RTCs may be sold only during the reconciliation period for the fourth quarter of the applicable compliance year inclusive of the first year

For the purpose of this condition, unused RTCs is the difference between (1) the amount of NOx RTCs required to be held at the begining of a compliance year as specified in this condition and the amount of NOx emissions during each applicable compliance year and (2) the amount of SOx RTCs required to held at the begining of a compliance year as specified in this condition and amount of SOx emissions during each applicable compliance year

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:

[RULE 2005, 5-6-2005]

[Devices subject to this condition : D1629, D1634]

K. Record Keeping/Reporting

K40.3 The operator shall provide to the District a source test report in accordance with the following specifications:

Source test results shall be submitted to the District no later than 60 days after the source test was conducted.

Emission data shall be expressed in terms of concentration (ppmv), corrected to 3 percent oxygen, dry basis.

Emission data shall be expressed in terms of mass rate (lbs/hr). In addition, solid PM emissions, if required to be tested, shall also be reported in terms of grains per DSCF.

Emission data shall be expressed in terms of lbs/MM cubic feet.

All exhaust flow rate shall be expressed in terms of dry standard cubic feet per minute (DSCFM) and dry actual cubic feet per minute (DACFM).

All moisture concentration shall be expressed in terms of percent corrected to 3 percent oxygen.

Source test results shall also include oxygen levels in the exhaust, the fuel flow rate (CFH), the fuel gas temperature under which the test conducted under which the test was conducted.

[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]

[Devices subject to this condition : D1629, D1634]

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:

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

Throughput and vapor pressure of stored liquid.

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

[Devices subject to this condition : D660]

K67.9 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Hydrocarbon concentration measurements done in the vapor space above the floating roof of the tank

Throughput in barrels per calendar month

Vapor pressure of stored liquid in psia

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

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

[Devices subject to this condition : D659]

K67.14 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Fuel use during the commissioning period

Fuel use after the commissioning period and prior to CEMS certification

Fuel use after CEMS certification

[RULE 2012, 5-6-2005]

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:

[Devices subject to this condition : D1629, D1634]

K171.1 The operator shall provide to the District the following items:

A test protocol shall be submitted to the District at least 30 days prior to the testing, and the test to be conducted according to the approved test protocol or any subsequently approved revisions.

Report of the pre-and post-modification tests and operating condition of the equipment shall be submitted to the District within 60 days after the post-modification test is completed.

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

[Devices subject to this condition : D112]

K171.2 The operator shall provide to the District the following items:

Final drawings and/or specifications of the geodesic dome cover to be installed/constructed shall be submitted to the District within 30 days after its construction

[RULE 1178, 4-7-2006]

[Devices subject to this condition : D659, D660]

L. Expiration Date

L341.1 Within 90 days after start-up of this equipment, the following device(s) shall be removed from operation:

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:

Boiler BO-7 identified by Device No. D722

Boiler BO-8 identified by Device No.D723

Startup as used in this condition is the initial cold startup of the boiler. Initial cold startup date shall be defined as the date of the first fuel firing of the boiler.

The operator shall surrender the boilers permits for BO-7 and BO-8 (devices D722 &D723) 30 days after the boilers are out of service.

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

[Devices subject to this condition : D1629]

L341.2 Within 90 days after start-up of this equipment, the following device(s) shall be removed from operation:

Boiler BO-9 identified by Device No. D724

Boiler BO-10 identified by Device No.D725

Startup as used in this condition is the initial cold startup of the boiler. Initial cold startup date shall be defined as the date of the first fuel firing of the boiler.

The operator shall surrender the boiler permits for BO-9 and BO-10 (devices D724&D725) 30 days after the boilers are out of service.

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

[Devices subject to this condition : D1634]

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