



## FACILITY PERMIT TO OPERATE

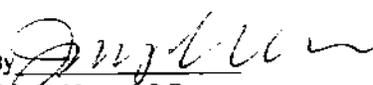
**ULTRAMAR INC (NSR USE ONLY)  
2402 E ANAHEIM ST  
WILMINGTON, CA 90744**

### 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.

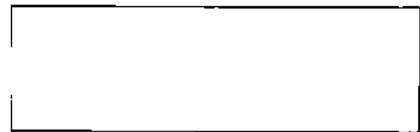
THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT SHALL NOT BE CONSTRUED AS PERMISSION TO VIOLATE EXISTING LAWS,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

Barry R. Wallerstein, D. Env.  
EXECUTIVE OFFICER

By   
Mdhasen 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  
ULTRAMAR INC (NSR USE ONLY)**

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 1: CRUDE DISTILLATION</b>					P13.1
<b>System 1: CRUDE DISTILLATION UNIT #10</b>					S13.2, S15.12
COLUMN, CRUDE DISTILLATION, 10-V-100, HEIGHT: 67 FT ; DIAMETER: 8 FT 6 IN A/N: 244379	D1	D1235			
ACCUMULATOR, CRUDE TOWER OVERHEAD, 10-V-101, LENGTH: 19 FT ; DIAMETER: 5 FT A/N: 244379	D883				
TANK, SURGE, CRUDE TOWER, 10-V-102, HEIGHT: 10 FT ; DIAMETER: 3 FT A/N: 244379	D884				
COLUMN, 10-V-103, LGO STRIPPER, HEIGHT: 24 FT ; DIAMETER: 4 FT A/N: 244379	D885				
VESSEL, DESALTER, CRUDE, 10-DE-100, LENGTH: 28 FT ; DIAMETER: 12 FT A/N: 244379	D886				
VESSEL, DESALTER, CRUDE, 10-DE-101, LENGTH: 28 FT ; DIAMETER: 12 FT A/N: 244379	D887				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 244379	D1310			HAP: (10) [40CFR 63 Subpart CC, #5A, 5-25-2001]	H23.17
<b>System 2: CRUDE DISTILLATION UNIT #10 HEATERS</b>					

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



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<b>Process 1: CRUDE DISTILLATION</b>					P13.1
HEATER, CRUDE, 10-H-100, REFINERY GAS, 159.2 MMBTU/HR WITH A/N: 344655  BURNER, REFINERY GAS, JOHN ZINK, MODEL PSMR-14M, WITH LOW NOX BURNER, 28 TOTAL	D3		NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 10.75 LBS/HR (7) [RULE 2005, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	A229.1, B61.1, B61.2, C1.15, D90.3, D328.1, H23.5
<b>System 3: CRUDE UNIT #11</b>					S13.2, S15.12
COLUMN, CRUDE DISTILLATION, 11-V-1000, HEIGHT: 87 FT . DIAMETER: 8 FT 6 IN A/N: 177987	D888				
ACCUMULATOR, CRUDE TOWER OVHD, 11-V-1001, HEIGHT: 16 FT 6 IN; DIAMETER: 6 FT 6 IN A/N: 177987	D4				
TANK, SURGE, HSRGO, 11-V-1002, HEIGHT: 10 FT ; DIAMETER. 3 FT A/N: 177987	D889				
COLUMN, LGO STRIPPER, 11-V-1003, HEIGHT: 28 FT 9 IN; DIAMETER: 4 FT A/N: 177987	D890				
VESSEL, DESALTER, CRUDE, 11-DE-1000, LENGTH: 28 FT ; DIAMETER: 12 FT A/N: 177987	D891				

- \* (1) (1A) (1B) Denotes RECLAIM emission factor
  - (3) Denotes RECLAIM concentration limit
  - (5) (5A) (5B) Denotes command and control emission limit
  - (7) Denotes NSR applicability limit
  - (9) See App B for Emission Limits
  - (2) (2A) (2B) Denotes RECLAIM emission rate
  - (4) Denotes BACT emission limit
  - (6) Denotes air toxic control rule limit
  - (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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<b>Process 1: CRUDE DISTILLATION</b>					P13.1
VESSEL, DESALTER, CRUDE, 11-DE-1001, LENGTH: 28 FT ; DIAMETER: 12 FT A/N: 177987	D892				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 177987	D1312			HAP: (10) [40CFR 63 Subpart CC, #5A, 5-25-2001]	H23.17
<b>System 4: CRUDE DISTILLATION UNIT #11 HEATERS</b>					
HEATER, CRUDE, 11-H-1000, REFINERY GAS, RATING BASED ON HHV, WITH LOW NOX BURNER, 136 MMBTU/HR WITH A/N: 273911  BURNER, REFINERY GAS, JOHN ZINK, MODEL PSMT, SIZE 16M, 14 BURNERS	D6		NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	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]	B61.1, B61.2, D90.3, D328.1, H23.5
<b>System 5: VACUUM DISTILLATION UNIT</b>					S13.2, S15.5, S15.12
COLUMN, VACCUM UNIT, 20-V-2000, HEIGHT: 101 FT ; DIAMETER: 19 FT A/N: 177972	D7				
DRUM, EJECTOR DISCHARGE, 20-V-201, LENGTH: 7 FT ; DIAMETER: 3 FT 6 IN A/N: 177972	D894				H23.1
CONDENSER, FIRST-STAGE EJECTOR, 20-E-204 A/N: 177972	D900				
CONDENSER, SECOND-STAGE EJECTOR, 20-E-205 A/N: 177972	D901				

\* (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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<b>Process 1: CRUDE DISTILLATION</b>					P13.1
CONDENSER, EJECTOR, 20-E-206 A/N: 177972	D902				
EJECTOR, VACUUM TOWER, 20-EJ-200, THREE EJECTORS SYSTEM A/N: 177972	D907				H23.1
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 177972	D1314				H23.17
<b>System 6: VACUUM DISTILLATION UNIT HEATERS</b>					
HEATER, VACUUM FEED HEATER, 20-H-200, REFINERY GAS, HHV, WITH LOW NOX BURNER, 49 MMBTU/HR WITH A/N: 224453  BURNER, REFINERY GAS, JOHN ZINK, MODEL PNDR-16, 10 BURNERS	D8		NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	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]	B61.1, B61.2, D90.3, D328.1, H23.5
HEATER, VACUUM FEED, 20-H-2000, REFINERY GAS, HHV, WITH LOW NOX BURNER, 20 MMBTU/HR WITH A/N: 224454  BURNER, REFINERY GAS, JOHN ZINK, MODEL LNV-Q, SIZE 25, 6 BURNERS	D9		NOX: LARGE 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]; NOX: 36 PPMV (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	B61.1, B61.2, D28.11, D90.3, H23.5, K171.1
<b>Process 2: COKING AND RESIDUAL CONDITIONING</b>					P13.1

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- (5) (5A) (5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
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- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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<b>Process 2: COKING AND RESIDUAL CONDITIONING</b>					P13.1
<b>System 1: DELAYED COKING UNIT #30</b>					S7.1, S13.2, S15.2, S15.5, S15.12
DRUM, 30-V-300A, HEIGHT: 83 FT 3 IN; DIAMETER: 23 FT A/N: 177993	D10			PM: (9) [RULE 405, 2-7-1986]	D323.2
DRUM, 30-V-300B, HEIGHT: 83 FT 3 IN; DIAMETER: 23 FT A/N: 177993	D11			PM: (9) [RULE 405, 2-7-1986]	D323.2
FRACTIONATOR, 30-V-301, HEIGHT: 52 FT ; DIAMETER: 7 FT A/N: 177993	D908				
ACCUMULATOR, FRACTIONATOR OVERHEAD, 30-V-302, WITH WATER LEG VENTED TO LIGHT ENDS RECOVERY COMPRESSOR, LENGTH: 18 FT ; DIAMETER: 5 FT 6 IN A/N: 177993	D909				
TANK, COKE DRUM CONDENSATE, 30-V-303, LENGTH: 10 FT ; DIAMETER: 4 FT 6 IN A/N: 177993	D910				
COLUMN, LIGHT GAS OIL STRIPPER, 30-V-307, HEIGHT: 22 FT ; DIAMETER: 2 FT 6 IN A/N: 177993	D911				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 177993	D1317			HAP: (10) [40CFR 63 Subpart CC, #5A, 5-25-2001]	H23.17
<b>System 2: DELAYED COKING UNIT #30 HEATERS</b>					

- \* (1) (1A) (1B) Denotes RECLAIM emission factor
- (3) Denotes RECLAIM concentration limit
- (5) (5A) (5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
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<b>Process 2: COKING AND RESIDUAL CONDITIONING</b>					P13.1
HEATER, 30-H-301, REFINERY GAS, WITH LOW NOX BURNER, 144 MMBTU/HR WITH A/N: 447457  BURNER, REFINERY GAS, JOHN ZINK, MODEL PXMR-20, 32 BURNERS, 144 MMBTU/HR	D12	C13	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	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]	A63.6, B61.1, B61.2, C1.31, D29.1, D90.3, D328.1, H23.5, K67.1
SELECTIVE CATALYTIC REDUCTION, SERVING HEATER 30-H-301, WITH AMMONIA INJECTION A/N: 339015	C13	D12		NH3: 20 PPMV (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]	D12.5, D12.6, D28.13, E71.5
<b>System 3: DELAYED COKING UNIT #31</b>					S7.1, S13.2, S15.3, S15.5, S15.12
DRUM, 31-V-3000C, HEIGHT: 58 FT ; DIAMETER: 23 FT A/N: 289077	D14			PM: (9) [RULE 405, 2-7-1986]	D323.2
DRUM, 31-V-3000D, HEIGHT: 58 FT ; DIAMETER: 23 FT A/N: 289077	D15			PM: (9) [RULE 405, 2-7-1986]	D323.2
TOWER, 31-V-3001, HEIGHT: 62 FT ; DIAMETER: 7 FT 6 IN A/N: 289077	D16				
ACCUMULATOR, COKE TOWER OVHD, 31-V-3002, HEIGHT: 18 FT ; DIAMETER: 5 FT 6 IN A/N: 289077	D17				

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<b>Process 2: COKING AND RESIDUAL CONDITIONING</b>					P13.1
COLUMN, COKE LIGHT GAS OIL STRIPPER, 31-V-3007, HEIGHT: 21 FT 7 IN; DIAMETER: 2 FT 6 IN A/N: 289077	D18				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 289077	D1318			HAP: (10) [40CFR 63 Subpart CC, #5A, 5-25-2001]	H23.17
<b>System 4: DELAYED COKING UNIT #31 HEATERS</b>					
HEATER, DCU, 31-H-3000, REFINERY GAS, HHV, WITH LOW NOX BURNER, 95 MMBTU/HR WITH A/N: 273912  BURNER, REFINERY GAS, JOHN ZINK, MODEL PSMR, SIZE 14, 14 BURNERS	D22		NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	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]	B61.1, B61.2, D90.3, D328.1, H23.5
<b>System 5: DELAYED COKING BLOWDOWN UNIT</b>					S13.2, S15.3, S15.5, S15.12
ACCUMULATOR, 30-V-306, QUENCH TOWER OVHD, LENGTH: 12 FT; DIAMETER: 5 FT A/N: 178094	D21				
TOWER, 30-V-304, QUENCH, HEIGHT: 25 FT 9 IN; DIAMETER: 6 FT A/N: 178094	D550				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 178094	D1319			HAP: (10) [40CFR 63 Subpart CC, #5A, 5-25-2001]	H23.17
<b>System 6: COKE HANDLING UNIT</b>					S13.1
CRUSHER, 30-CR-300-1/2/3, PRIMARY, RAW COKE A/N: 323709	D23			PM: (9) [RULE 405, 2-7-1986]	A63.7, D323.1, E202.2

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(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
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(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
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<b>Process 2: COKING AND RESIDUAL CONDITIONING</b>					P13.1
CUTTER, 30-ME-300, DEHEADING CART A/N: 323709	D24			PM: (9) [RULE 405, 2-7-1986]	A63.7, D323.1, E202.2
CRUSHER, 31-CR-3000-1/2/3, PRIMARY COKE A/N: 323709	D25			PM: (9) [RULE 405, 2-7-1986]	A63.7, D323.1, E202.2
CUTTER, 31-ME-3000, DEHEADING CART A/N: 323709	D26			PM: (9) [RULE 405, 2-7-1986]	A63.7, D323.1, E202.2
TANK, 31-TK-3000, OPEN TOP, 9890 BBL; DIAMETER: 30 FT ; HEIGHT: 54 FT A/N: 323709	D27			PM: (9) [RULE 405, 2-7-1986]	A63.7, D323.1, E202.2
STORAGE TANK, INTERNAL FLOATING ROOF, 30-TK-300, CLARIFIED WATER, WITH INTERNAL MIXER, 4700 BBL; DIAMETER: 30 FT ; HEIGHT: 33 FT 6 IN WITH A/N: 323709  FLOATING ROOF, PONTOON	D28			PM: (9) [RULE 405, 2-7-1986]	A63.7, D323.1, E202.2
TANK, SURGE, 32-TK-301, CLARIFIED WATER, OPEN TOP, HEIGHT: 14 FT 3 IN, DIAMETER: 10 FT A/N: 323709	D29			PM: (9) [RULE 405, 2-7-1986]	A63.7, D323.1, E202.2
TANK, 32-ME-302, COKE FINES THICKENER, OPEN TOP WITH SURFACE SKIMMER, HEIGHT: 12 FT ; DIAMETER: 70 FT A/N: 323709	D30			PM: (9) [RULE 405, 2-7-1986]	A63.7, D323.1, E202.2

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- (7) Denotes NSR applicability limit
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- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
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<b>Process 2: COKING AND RESIDUAL CONDITIONING</b>					P13.1
TANK, 32-ME-303, COKE FINES THICKENER, OPEN TOP WITH SURFACE SKIMMER, HEIGHT: 14 FT ; DIAMETER: 70 FT A/N: 323709	D31			PM: (9) [RULE 405, 2-7-1986]	A63.7, D323.1, E202.2
<b>System 7: COKE HANDLING, STORAGE, AND LOADING FACILITY (HYDROBINS)</b>					S1.1, S13.1
BIN, 32-TK-HBIN/A, COKE, OPEN TOP TYPE, WITH A TRUCK LOADING SPOUT, 700 TONS; DIAMETER: 40 FT ; HEIGHT: 54 FT A/N: 323709	D1231			PM: (9) [RULE 405, 2-7-1986]	A63.7, D323.1, E125.1, H116.2, H116.4, H116.5
BIN, 32-TK-HBIN/B, COKE, OPEN TOP TYPE, WITH A TRUCK LOADING SPOUT, 700 TONS; DIAMETER: 40 FT ; HEIGHT: 54 FT A/N: 323709	D1232			PM: (9) [RULE 405, 2-7-1986]	A63.7, D323.1, E125.1, H116.2, H116.4, H116.5
BIN, 32-TK-HBIN/C, COKE, OPEN TOP TYPE, WITH A TRUCK LOADING SPOUT, 700 TONS; DIAMETER: 40 FT ; HEIGHT: 54 FT A/N: 323709	D1233			PM: (9) [RULE 405, 2-7-1986]	A63.7, D323.1, E125.1, H116.2, H116.4, H116.5
<b>Process 3: CATALYTIC CRACKING</b>					P13.1
<b>System 1: FCCU</b>					S13.2, S15.5, S15.12, S42.1
REACTOR, FCC, 61-R-1, WITH CYCLONE, HEIGHT: 153 FT 10 IN, DIAMETER: 15 FT 6 IN A/N:	D35				

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- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
- (10) See section J for NESHAP/MACT requirements

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 3: CATALYTIC CRACKING</b>					P13.1
REGENERATOR, FCC, 61-IN-1, WITH CYCLONE, HEIGHT: 100 FT 6 IN; DIAMETER: 26 FT 6 IN A/N:	D36	C39 D157 D158 D166 D168 D973 D986	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	CO: 500 PPMV (8) [40CFR 60 Subpart J, 6-24-2008]; 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: 2 LBS/TON COKE BURNOFF (8) [40CFR 60 Subpart J, 6-24-2008]	A63.4, A63.8, D29.2, D29.12, D82.3, D90.4
TANK, SURGE, 61-V-3, RAW OIL, HEIGHT: 35 FT ; DIAMETER: 12 FT 6 IN A/N:	D37				
BLOWER, 61-BL-1, MAIN AIR, 80,142 CFM,SINGLE STAGE CENTRIFUGAL WITH A 6,000HP MOTOR A/N:	D1023				
VESSEL, SEPARATOR, 61-CY-3, THIRD STAGE A/N:	D1024				
TANK, SURGE, 61-V-10. FLUE GAS COOLER, HEIGHT: 20 FT ; DIAMETER: 6 FT A/N:	D1247				
EJECTOR, 61-BLX-1-EJ-1 A/N:	D1249				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N:	D1321			HAP: (10) [40CFR 63 Subpart CC, #5A, 5-25-2001]	H23.17
<b>System 2: FCCU HEATERS</b>					

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

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## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 3: CATALYTIC CRACKING</b>					P13.1
HEATER, 61-H-1, REFINERY GAS, 100 MMBTU/HR WITH A/N: 178009  BURNER, REFINERY GAS, JOHN ZINK, MODEL YE, 1 BURNER	D38		NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	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]	B61.2, D90.3, E71.1, H23.5
<b>System 3: FCCU CONTROL</b>					
ELECTROSTATIC PRECIPITATOR, 61-PR-1A/B, FCCU, MODEL 24/25/2X9/10 IN, TWO PARALLEL SINGLE CHAMBER UNITS, 24 GAS PASSAGES PER PRECIPITATOR A/N: 178024	C39	D36 C1615		HAP: (10) [40CFR 63 Subpart UUU, #2, 4-20-2006]	C12.1, E102.1
<b>System 4: CATALYST HANDLING UNIT</b>					
HOPPER, DUMP, FRESH CATALYST STORAGE, 61-V-1 A/N: 178025	D40			PM: (9) [RULE 405, 2-7-1986]	D323.1
HOPPER, DUMP, EQUILIBRIUM CATALYST STORAGE, 61-V-2 A/N: 178025	D41			PM: (9) [RULE 405, 2-7-1986]	D323.1
EJECTOR, 61-EJ-1 A/N: 178025	D42	D408			
<b>Process 4: HYDROTREATING</b>					P13.1
<b>System 1: GAS OIL UNIBON HYDROTREATING UNIT 80</b>					S4.9, S13.2, S15.3, S15.5, S15.12, S31.1
TANK, SURGE, FEED, 80-V-1, HEIGHT: 38 FT ; DIAMETER: 12 FT A/N:	D43				

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

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 4 HYDROTREATING</b>					P13.1
REACTOR, NO.1, 80-V-2, HEIGHT: 27 FT ; DIAMETER: 13 FT A/N:	D918				
REACTOR, NO. 2, 80-V-3, HDA, HEIGHT: 27 FT ; DIAMETER: 13 FT A/N:	D919				
COLUMN, 80-V-101, HDS STRIPPER, HEIGHT: 97 FT 4 IN; DIAMETER: 9 FT 6 IN A/N:	D1382				
VESSEL, SEPARATOR, PRODUCT, 80-V-4, HEIGHT: 30 FT ; DIAMETER: 12 FT A/N:	D44				
COMPRESSOR, RECYCLE GAS, 80-C-1 A/N:	D553				
REACTOR, 80-V-103, HDA, HEIGHT: 42 FT 3 IN; DIAMETER: 13 FT A/N:	D1383				
DRUM, 80-V-102, HDS STRIPPER OVERHEAD, HEIGHT: 21 FT 4 IN; DIAMETER: 7 FT A/N:	D1381				
SCRUBBER, CHEMICAL, 80-V-6, RECYCLE GAS, HEIGHT: 43 FT ; DIAMETER: 4 FT 6 IN A/N:	D51				
KNOCK OUT POT, 80-V-105, RECYCLE GAS SCRUBBER, HEIGHT: 11 FT 11 IN; DIAMETER: 4 FT A/N:	D1385				

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

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 4 HYDROREACTING</b>					P13.1
COLUMN, 80-V-10, HDA DISTILLATE SPLITTER (HIGH PRESSURE STRIPPER), HEIGHT: 74 FT ; DIAMETER: 12 FT A/N:	D46				
ACCUMULATOR, 80-V-11, HDA SPLITTER, VENTED TO VAPOR RECOVERY SYSTEM, HEIGHT: 13 FT ; DIAMETER: 5 FT A/N:	D47				
TANK, SURGE, 80-V-12, WASH WATER, HEIGHT: 7 FT ; DIAMETER: 2 FT 6 IN A/N: 344827	D48				
FRACTIONATOR, PRODUCT, 80-V-13, LENGTH: 15 FT 6 IN; DIAMETER: 6 FT A/N:	D49				
ACCUMULATOR, FRACTIONATOR, 80-V-14, HEIGHT: 15 FT ; DIAMETER: 5 FT A/N:	D50				
COLUMN, DIESEL STRIPPER, 80-V-15, HEIGHT: 25 FT 6 IN; DIAMETER: 7 FT A/N:	D920				
COLUMN, STRIPPER, 80-V-16, HEIGHT: 35 FT ; DIAMETER: 4 FT A/N:	D921				
VESSEL, SALT FILTER, 80-V-9, LENGTH: 13 FT ; DIAMETER: 8 FT 6 IN A/N:	D45				

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

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## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 4: HYDROTREATING</b>					P13.1
VESSEL, 80-V-104, CARB DIESEL SALT DRIER, HEIGHT: 28 FT 4 IN; DIAMETER: 15 FT A/N:	D1384				
FILTER, 80-V-23, SALT, GOH DISTILLATE A/N: 344827	D1248				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N:	D1323			HAP: (10) [40CFR 63 Subpart CC, #5A, 5-25-2001]	H23.17
<b>System 2: GAS OIL UNIBON HYDROTREATING UNIT HEATERS</b>					
HEATER, 80-H-1, REFINERY GAS, WITH LOW NOX BURNER, 36 MMBTU/HR WITH A/N: 177999  BURNER, REFINERY GAS, JOHN ZINK, MODEL LNV-Q, EIGHT SIZE 25, FOUR SIZE 50A, 12 BURNERS	D52		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]	B61.2, D90.3, D328.1, H23.5
HEATER, 80-H-2, REFINERY GAS, WITH AMMONIA INJECTION, 68 MMBTU/HR WITH A/N: 375762  BURNER, REFINERY GAS, CALLIDUS TECHNOLOGIES, MODEL LE-CSG-12W, 6 BURNERS, WITH LOW NOX BURNER	D53		NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	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]	B61.2, D90.3, D328.1, H23.5

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

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## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 4: HYDROTREATING</b>					P13.1
<b>System 3: NAPHTHA HYDROTREATING UNIT #60</b>					S13.2, S15.3, S15.5, S15.12
TANK, SURGE FEED, 60-V-1, LENGTH: 25 FT ; DIAMETER: 8 FT A/N: 378969	D54				
REACTOR, 60-V-2, HEIGHT: 23 FT ; DIAMETER: 6 FT 6 IN A/N: 378969	D922				
VESSEL, SEPARATOR, PRODUCT, 60-V-3, LENGTH: 20 FT 8 IN; DIAMETER: 7 FT A/N: 378969	D55				
COMPRESSOR, 60-C-1A/B, OLEFIN HYDROTREATER RECYCLE/UNIBON MAKEUP A/N: 378969	D57				
COMPRESSOR, 60-C-2A/B, OLEFIN HYDROTREATER RECYCLE/UNIBON MAKEUP A/N: 378969	D58				
COLUMN, STRIPPER, 60-V-5, WITH 20 TRAYS, HEIGHT: 58 FT 6 IN; DIAMETER: 7 FT A/N: 378969	D56				
ACCUMULATOR, STRIPPER, 60-V-6, LENGTH: 13 FT ; DIAMETER: 4 FT 6 IN A/N: 378969	D924				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 378969	D1325			HAP: (10) [40CFR 63 Subpart CC, #5A, 5-25-2001]	H23.17
<b>System 4: OLEFIN HYDROTREATING UNIT #60 HEATERS</b>					

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

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## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 4: HYDROTREATING</b>					P13.1
HEATER, 60-H-1, REFINERY GAS, HHV, WITH LOW NOX BURNER, 26.4 MMBTU/HR WITH A/N: 220601  BURNER, REFINERY GAS, JOHN ZINK, MODEL PNDR-18, 4 BURNERS	D59		NOX: LARGE 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]; NOX: 36 PPMV (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	B61.1, B61.2, D28.11, D90.3, H23.5, K171.1
HEATER, 60-H-2, REFINERY GAS, RATING BASED ON HHV, WITH LOW NOX BURNER, 29.7 MMBTU/HR WITH A/N: 220600  BURNER, REFINERY GAS, JOHN ZINK, MODEL PNDR-20, 3 BURNERS	D60		NOX: LARGE SOURCE**; SOX: MAJOR SOURCE**	CO: 400 PPMV (5) [RULE 1146, 11-17-2000; RULE 1146, 9-5-2008]; CO: 2000 PPMV (5A) [RULE 407, 4-2-1982]; NOX: 36 PPMV (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	B61.1, B61.2, D28.11, D90.3, H23.5, K171.1
<b>System 5: GAS OIL HYDRODESULFURIZATION UNIT</b>					S4.6, S13.2, S15.3, S15.5, S15.12
VESSEL, COALESCER, 58-V-14, WARM FEED, HEIGHT: 24 FT ; DIAMETER: 4 FT 6 IN A/N: 312555	D687				
TANK, SURGE, FEED, 58-V-1, HEIGHT: 60 FT ; DIAMETER: 12 FT A/N: 312555	D688				

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

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process: HYDROTREATING</b>					P13.1
REACTOR, GUARD, 58-R-1, HEIGHT: 16 FT 3 IN; DIAMETER: 14 FT A/N: 312555	D689				
REACTOR, HYDROTREATING, 58-R-2, HEIGHT: 42 FT 11 IN; DIAMETER: 14 FT 6 IN A/N: 312555	D690				
REACTOR, HYDROTREATING, 58-R-3, HEIGHT: 62 FT 11 IN; DIAMETER 14 FT 6 IN A/N: 312555	D691				
GAS SEPARATOR, HP HOT, 58-V-2, HEIGHT: 30 FT ; DIAMETER 10 FT 6 IN A/N: 312555	D692				
GAS SEPARATOR, HP COLD, 58-V-3, HEIGHT: 31 FT 2 IN; DIAMETER: 8 FT 6 IN A/N: 312555	D693				
GAS SEPARATOR, LP COLD, 58-V-8, HEIGHT: 30 FT ; DIAMETER 10 FT A/N: 312555	D694				
COLUMN, STRIPPING, 58-V-9, HEIGHT: 93 FT 6 IN; DIAMETER: 12 FT 6 IN A/N: 312555	D695				
DRUM, STRIPPER OVERHEAD, 58-V-10, HEIGHT: 26 FT 6 IN; DIAMETER: 7 FT 6 IN A/N: 312555	D696				

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

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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
<b>Process 4: HYDROTREATING</b>					P13.1
COLUMN, DISTILLATE STRIPPING, 58-V-16, HEIGHT: 37 FT 6 IN; DIAMETER: 5 FT A/N: 312555	D697				
ABSORBER, HP H2S, 58-V-4, HEIGHT: 76 FT ; DIAMETER: 6 FT 6 IN A/N: 312555	D698				
KNOCK OUT POT, RECYCLE GAS COMPRESSOR, 58-V-5, HEIGHT: 16 FT ; DIAMETER: 7 FT 6 IN A/N: 312555	D699				
TANK, SURGE, 58-V-6, WASH WATER, HEIGHT: 15 FT ; DIAMETER: 5 FT A/N: 312555	D700				
GAS SEPARATOR, LP HOT, 58-V-7, HEIGHT: 44 FT ; DIAMETER: 10 FT 6 IN A/N: 312555	D701				
GAS SEPARATOR, 58-V-12, HEIGHT: 7 FT 2 IN; DIAMETER: 18 FT A/N: 312555	D702				
TANK, FLASH, 58-V-13, RICH AMINE, HEIGHT: 30 FT ; DIAMETER: 11 FT 6 IN A/N: 312555	D703				
KNOCK OUT POT, 58-V-15, FUEL GAS, HEIGHT: 7 FT 6 IN; DIAMETER 2 FT 6 IN A/N: 312555	D704				

- \* (1) (1A) (1B) Denotes RECLAIM emission factor
  - (3) Denotes RECLAIM concentration limit
  - (5) (5A) (5B) Denotes command and control emission limit
  - (7) Denotes NSR applicability limit
  - (9) See App B for Emission Limits
  - (2) (2A) (2B) Denotes RECLAIM emission rate
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The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>HYDROTREATING</b>					P13.1
DRUM, 89-V-9007, FLARE BLOWDOWN,, HEIGHT: 38 FT ; DIAMETER: 12 FT 6 IN A/N: 312555	D705				
VESSEL, 89-V-9008, FLARE DRAIN POT, HEIGHT: 4 FT ; DIAMETER: 2 FT 6 IN A/N: 312555	D1309				
DRUM, CONDENSATE COLLECTION, 58-V-18, HEIGHT: 12 FT ; DIAMETER: 6 FT 6 IN A/N: 312555	D706				
DRUM, CONDENSATE BLOWDOWN, 58-V-21, HEIGHT: 7 FT 6 IN; DIAMETER: 4 FT A/N: 312555	D707				
COMPRESSOR, RECYCLE GAS, 58-C-1, 6500 HP A/N: 312555	D708				H23.16
DRUM, 58-V-22, SOUR WATER SURGE, HEIGHT: 28 FT ; DIAMETER: 9 FT A/N: 312555	D1307				
DRUM, 58-V-23, AMINE DRAIN COLLECTION, HEIGHT: 8 FT ; DIAMETER: 4 FT A/N: 312555	D1308				
FILTER, 58-F-1A/B, COLD FEED PREFILTER. HEIGHT: 6 FT ; DIAMETER: 4 FT A/N: 312555	D762				

- \* (1) (1A) (1B) Denotes RECLAIM emission factor
- (3) Denotes RECLAIM concentration limit
- (5) (5A) (5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
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- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process: HYDROTREATING</b>					P13.1
FILTER, 58-F-2A/B/C, WARM FEED, HEIGHT: 6 FT ; DIAMETER: 4 FT A/N: 312555	D764				
FILTER, 58-F-3A/B, COMBINED FEED, HEIGHT: 6 FT ; DIAMETER: 4 FT A/N: 312555	D766				
VESSEL, GOH DISTILLATE, SALT FILTER, 58-V-24, HEIGHT: 52 FT ; DIAMETER: 12 FT A/N: 312555	D1306				
EJECTOR, 58-EJ-1, EDUCTOR WITH SILENCER A/N: 312555	D767				
DRAIN SYSTEM COMPONENT A/N: 312555	D1469			HAP: (10) [40CFR 63 Subpart CC, #4, 5-25-2001]	H23.4
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 312555	D1327			HAP: (10) [40CFR 63 Subpart CC, #5A, 5-25-2001]	H23.16
<b>System 6: GAS OIL HYDRODESULFURIZATION UNIT HEATERS</b>					
HEATER, GAS OIL HYDROTREATING, 58-H-1, REFINERY GAS, WITH LOW NOX BURNER, 110 MMBTU/HR WITH A/N: 447456  BURNER, 12 BURNERS, REFINERY GAS, WITH LOW NOX BURNER, 110 MMBTU/HR	D768	C770	NOX: MAJOR SOURCE**, SOX: MAJOR SOURCE**	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]	A63.2, B61.1, B61.2, D90.3, D328.1, H23.5
SELECTIVE CATALYTIC REDUCTION, WITH AMMONIA INJECTION A/N: 291900	C770	D768		NH3: 20 PPMV (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]	D12.7, D28.4, E73.1

- \* (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.



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 4: HYDROTREATING</b>					P13.1
<b>System 7: NAPHTHA HYDROTREATMENT/SPLITTER UNIT #56</b>					S4.4, S13.2, S15.5, S15.12, S31.5
COLUMN, H2S STRIPPER, 56-V-5, HEIGHT: 66 FT , DIAMETER: 10 FT A/N:	D61				
TANK, SURGE, 56-V-1, HEIGHT: 32 FT ; DIAMETER: 10 FT A/N:	D423				
REACTOR, 56-R-2, HEIGHT: 29 FT ; DIAMETER: 9 FT 6 IN A/N:	D1464				
VESSEL, SEPARATOR, PRODUCT, 56-V-3, HEIGHT: 25 FT ; DIAMETER: 9 FT 6 IN A/N:	D424				
ACCUMULATOR, STRIPPER OVERHEAD, 56-V-6, LENGTH: 6 FT 6 IN; HEIGHT: 20 FT A/N:	D425				
ACCUMULATOR, SPLITTER OVERHEAD, 56-V-12, LENGTH: 26 FT ; DIAMETER: 8 FT 6 IN A/N:	D426				
KNOCK OUT POT, 56-V-17, FUEL GAS, LENGTH: 8 FT 6 IN; DIAMETER: 3 FT 6 IN A/N:	D427				
ACCUMULATOR, RERUN OVERHEAD, 56-V-14, HEIGHT: 25 FT ; DIAMETER: 8 FT A/N:	D428				

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

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 4: HYDROTREATING</b>					P13.1
DRUM, COMPRESSOR SUCTION, 56-V-4, HEIGHT: 9 FT ; DIAMETER: 3 FT 6 IN A/N:	D593				
COMPRESSOR, RECYCLE, 56-C-1 A/N:	D594				H23.16
DRUM, 56-V-15, HOT OIL, HEIGHT: 30 FT ; DIAMETER: 8 FT A/N:	D595				
COLUMN, NAPHTHA SPLITTER, 56-V-11, HEIGHT: 122 FT ; DIAMETER: 11 FT A/N:	D596				
COLUMN, NAPHTHA RERUN, 56-V-13, HEIGHT: 102 FT ; DIAMETER: 9 FT 6 IN A/N:	D598				
DRAIN SYSTEM COMPONENT A/N: 285344	D1470			HAP: (10) [40CFR 63 Subpart CC, #4, 5-25-2001]	H23.4
BLOWER, VAPORIZER AIR, 56-MX-1-VI A/N:	D1465				
EJECTOR, EVACUATION, 56-EJ-1 A/N:	D1466				
VESSEL, SEAL GAS SEPARATOR, 56-CY-1 A/N:	D1467				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N:	D1328			HAP: (10) [40CFR 63 Subpart CC, #5A, 5-25-2001]	H23.16
<b>System 8: NAPHTHA HYDROTREATER/SPLITTER UNIT HEATERS</b>					S2.1

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



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

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 4: HYDROTREATING</b>					P13.1
HEATER, NAPHTHA HYDROTREATER CHARGE, 56-H-1, REFINERY GAS, 30 MMBTU/HR WITH A/N: 447454  BURNER, 6 BURNERS, REFINERY GAS, CALLIDUS, MODEL LECSGW #5, LOW NOX BURNER, 30 MMBTU/HR	D429	C431	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	CO: 400 PPMV (5) [RULE 1146, 11-17-2000; RULE 1146, 9-5-2008]; 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]	B61.1, B61.2, D90.3, D328.1, H23.5
HEATER, HOT OIL, 56-H-2, REFINERY GAS, 200 MMBTU/HR WITH A/N: 447455  BURNER, 15 BURNERS, REFINERY GAS, CALLIDUS, MODEL LECSGW #5, LOW NOX BURNER, 200 MMBTU/HR	D430	C431	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	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]	B61.1, B61.2, D90.3, H23.5
SELECTIVE CATALYTIC REDUCTION, WITH AMMONIA INJECTION, WIDTH: 16 FT ; HEIGHT: 11 FT ; LENGTH: 8 FT A/N: 281826	C431	D429 D430		NH3: 20 PPMV (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]	D12.7, D28.4, E73.1, K171.1
<b>Process 5: CATALYTIC REFORMING AND ISOMERIZATION</b>					P13.1
<b>System 1: PLATFORMER UNIT #70</b>					S13.2, S13.13, S15.5, S15.12
VESSEL, SEPARATOR, PRODUCT, 70-V-4, HEIGHT: 20 FT ; DIAMETER: 7 FT A/N:	D62				

- \* (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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### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 5: CATALYTIC REFORMING AND ISOMERIZATION</b>					P13.1
COLUMN, DEPROPANIZER, 70-V-7, HEIGHT: 76 FT ; DIAMETER: 7 FT A/N:	D65				
VESSEL, RECEIVER, DEPROPANIZER, 70-V-8, LENGTH: 15 FT ; DIAMETER: 4 FT 6 IN A/N:	D66				
HOPPER, LOCK, #1, 70-V-23, HEIGHT: 2 FT 6 IN; DIAMETER: 2 FT A/N:	D68	D74		HAP: (10) [40CFR 63 Subpart UUU, #1, 4-20-2006]; PM: (9) [RULE 405, 2-7-1986]	D323.1
HOPPER, LOCK, #2, 70-V-28, HEIGHT: 2 FT 6 IN; DIAMETER: 2 FT A/N:	D69	D74		HAP: (10) [40CFR 63 Subpart UUU, #1, 4-20-2006]; PM: (9) [RULE 405, 2-7-1986]	D323.1
VESSEL, COALESCER, BOOSTER PURGE GAS, 70-V-39 A/N:	D70				
VESSEL, LIFT ENGAGER, 70-V-29, HEIGHT: 3 FT 6 IN; DIAMETER: 1 FT 8 IN A/N:	D71	D74		HAP: (10) [40CFR 63 Subpart UUU, #1, 4-20-2006]	
EJECTOR, STEAM JET, 70-EJ-1 A/N:	D72				
COMPRESSOR, RECYCLE GAS, 70-C-1 A/N:	D554				
COMPRESSOR, NET GAS BOOSTER, 70-C-2A A/N:	D555				
COMPRESSOR, NET GAS BOOSTER, 70-C-2B A/N:	D556				

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



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<b>Process 5 CATALYTIC REFORMING AND ISOMERIZATION</b>					P13.1
REACTOR, NO.1, 70-V-1, HEIGHT: 19 FT 11 IN; DIAMETER: 6 FT 6 IN A/N:	D925			HAP: (10) [40CFR 63 Subpart UUU, #1, 4-20-2006]	
REACTOR, NO.2, 70-V-2, HEIGHT: 21 FT 4 IN; DIAMETER: 7 FT A/N:	D926			HAP: (10) [40CFR 63 Subpart UUU, #1, 4-20-2006]	
REACTOR, NO.3, 70-V-3, HEIGHT: 21 FT 4 IN; DIAMETER: 8 FT 6 IN A/N:	D927			HAP: (10) [40CFR 63 Subpart UUU, #1, 4-20-2006]	
TANK, CONDENSATE INJECTION, 70-V-9, HEIGHT: 5 FT ; DIAMETER: 2 FT 6 IN A/N: 178090	D928				
DRUM, CONTINUOUS BLOWDOWN, 70-V-12, HEIGHT: 5 FT ; DIAMETER: 2 FT A/N:	D930				
DRUM, STEAM BLOWDOWN, 70-V-13, HEIGHT: 6 FT ; DIAMETER: 5 FT A/N:	D931				
TOWER, REGENERATION, 70-V-21, HEIGHT: 25 FT 7 IN; DIAMETER: 4 FT 6 IN A/N:	D932	D74 D935		HAP: (10) [40CFR 63 Subpart UUU, #1, 4-20-2006]	A63.3
VESSEL, RECEIVER, CATALYST, 70-V-22, HEIGHT: 1 FT 9 IN; DIAMETER: 2 FT A/N:	D933	D946		PM: (9) [RULE 405, 2-7-1986]	D323.1
VESSEL, LIFT ENGAGER, 70-V-24, HEIGHT: 3 FT 6 IN; DIAMETER: 1 FT 8 IN A/N:	D934	D74		PM: (9) [RULE 405, 2-7-1986]	D323.1

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

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

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 5: CATALYTIC REFORMING AND ISOMERIZATION</b>					P13.1
HOPPER, DISENGAGING, 70-V-25, DIAMETER: 4 FT, HEIGHT: 8 FT A/N:	D935	D932		PM: (9) [RULE 405, 2-7-1986]	D323.1
HOPPER, FLOW CONTROL, 70-V-26, DIAMETER: 6 IN; HEIGHT: 1 FT 9 IN A/N:	D936			PM: (9) [RULE 405, 2-7-1986]	D323.1
HOPPER, SURGE, 70-V-27, DIAMETER: 5 FT, HEIGHT: 9 FT A/N:	D937			PM: (9) [RULE 405, 2-7-1986]	D323.1
HOPPER, CATALYST ADDITION FUNNEL, 70-V-30, DIAMETER: 3 FT; HEIGHT: 6 IN A/N:	D938			PM: (9) [RULE 405, 2-7-1986]	D323.1
HOPPER, CATALYST ADDITION LOCK, 70-V-31, DIAMETER: 2 FT; HEIGHT: 2 FT A/N:	D939			PM: (9) [RULE 405, 2-7-1986]	D323.1
DRUM, VENT NO.1, 70-V-32, HEIGHT: 2 FT 6 IN, DIAMETER: 1 FT .75 IN A/N:	D940	D74			
DRUM, VENT NO.2, 70-V-33, HEIGHT: 2 FT 6 IN, DIAMETER: 1 FT .75 IN A/N:	D941	D74			
DRUM, VENT NO.3, 70-V-34, HEIGHT: 2 FT 6 IN, DIAMETER: 1 FT .75 IN A/N:	D942	D74			
DRUM, VENT NO.4, 70-V-35, HEIGHT: 2 FT 6 IN, DIAMETER: 1 FT .75 IN A/N:	D943	D74			
VESSEL, COALESCER, RECYCLE PURGE GAS, 70-V-38 A/N:	D944				

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



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<b>Process 5: CATALYTIC REFORMING AND ISOMERIZATION</b>					P13.1
EJECTOR, BOOSTER COMPRESSOR, 70-EJ-2 A/N:	D945				
FILTER, HEPA, 70-ME-22 A/N:	D946	D933			D322.1, D381.1, K67.8
FUGITIVE EMISSIONS, MISCELLANEOUS A/N:	D1331			HAP: (10) [40CFR 63 Subpart CC, #5A, 5-25-2001]	H23.17
<b>System 2: PLATFORMER UNIT #70 HEATERS</b>					
HEATER, 70-H-4, REFINERY GAS, HHV, WITH LOW NOX BURNER, 29.7 MMBTU/HR WITH A/N: 220593  BURNER, REFINERY GAS, JOHN ZINK, MODEL PNDR-20, 3 BURNERS	D73		NOX: LARGE SOURCE**; SOX: MAJOR SOURCE**	CO: 400 PPMV (5) [RULE 1146, 11-17-2000; RULE 1146, 9-5-2008]; CO: 2000 PPMV (5A) [RULE 407, 4-2-1982]; NOX: 36 PPMV (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	B61.1, B61.2, D28.11, D90.3, H23.5, K171.1
HEATER, 70-H-1/2/3, PROCESS GAS, REFINERY GAS, WITH LOW NOX BURNER, 151 MMBTU/HR WITH A/N:  BURNER, REFINERY GAS, JOHN ZINK, MODEL LNC-Q, SIXTEEN-SIZE 16, SEVEN-SIZE 14, 23 BURNERS	D74	D68 D69 D71 D932 D934 D935 D940 D941 D942 D943	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	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]	B61.2, D90.3, D90.13, H23.5
<b>Process 7: ALKYLATION AND ISOMERIZATION</b>					P13.1

- (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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<b>Process 7: ALKYLATION AND ISOMERIZATION</b>					P13.1
<b>System 1: ALKYLATION UNIT #68</b>					S4.4, S13.2, S15.5, S15.12, S31.5
SETTLING TANK, ACID, 68-V-4A/B, LENGTH: 40 FT ; DIAMETER: 13 FT A/N:	D947				
VESSEL, RECEIVER, DEPROPANIZER, 68-V-12, HEIGHT: 22 FT 6 IN, DIAMETER: 7 FT 6 IN A/N:	D948				
TANK, SURGE, REGENERANT, 68-V-1, LENGTH: 16 FT ; DIAMETER: 5 FT 6 IN A/N: 307083	D75				
VESSEL, FIELD BUTANE DRIERS, 68-V-2 A, HEIGHT: 23 FT ; DIAMETER: 6 FT 6 IN A/N: 307083	D76				
TANK, HOLDING, 68-V-3, ACID, HEIGHT: 60 FT ; DIAMETER: 12 FT A/N:	D77				
VESSEL, RECEIVER, ISOSTRIPPER SIDE CUT, 68-V-5, LENGTH: 40 FT ; DIAMETER: 12 FT 6 IN A/N:	D78				
COLUMN, ISO STRIPPER, 68-V-6, HEIGHT: 180 FT 6 IN; DIAMETER: 13 FT A/N:	D79				
VESSEL, TREATER, 68-V-7 A, BUTANE ALUMINA, HEIGHT: 38 FT ; DIAMETER: 13 FT 6 IN A/N: 307083	D80				

- \* (1) (1A) (1B) Denotes RECLAIM emission factor
- (3) Denotes RECLAIM concentration limit
- (5) (5A) (5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc )
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<b>Process 7: ALKYLATION AND ISOMERIZATION</b>					P13.1
VESSEL, TREATER, BUTANE KOH, 68-V-8, HEIGHT: 16 FT ; DIAMETER: 8 FT A/N:	D81				
REGENERATOR, ACID, 68-V-9C, HEIGHT: 28 FT ; DIAMETER: 3 FT 6 IN A/N:	D82				
SETTLING TANK, DEPROPANIZER FEED, 68-V-10. LENGTH: 24 FT ; DIAMETER: 8 FT A/N: 307083	D83				
COLUMN, DEPROPANIZER, 68-V-11, HEIGHT: 87 FT 6 IN; DIAMETER: 5 FT 6 IN A/N:	D84				
COLUMN, HF STRIPPER, 68-V-13, HEIGHT: 42 FT , DIAMETER: 4 FT 6 IN A/N:	D85				
VESSEL, TREATER, 68-V-14A, PROPANE ALUMINA, HEIGHT: 28 FT ; DIAMETER: 9 FT A/N: 307083	D86				
VESSEL, TREATER, PROPANE KOH, 68-V-15, HEIGHT: 16 FT ; DIAMETER: 4 FT A/N:	D87				
TANK, SURGE, 68-V-16, POLYMER, HEIGHT: 15 FT ; DIAMETER: 7 FT 6 IN A/N:	D88				

- \* (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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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 7: ALKYLATION AND ISOMERIZATION</b>					P13.1
VESSEL, COALESCER, 68-V-23, LENGTH: 8 FT 3 IN; DIAMETER: 1 FT 8 IN A/N: 307083	D91				
VESSEL, 68-V-2B, FIELD BUTANE DRIER, HEIGHT: 23 FT ; DIAMETER: 6 FT 6 IN A/N: 307083	D95				
VESSEL, TREATER, 68-V-7B, BUTANE ALUMINA, HEIGHT: 38 FT ; DIAMETER: 13 FT 6 IN A/N 307083	D96				
VESSEL, TREATER, 68-V-14B, PROPANE ALUMINA, HEIGHT: 28 FT ; DIAMETER: 9 FT A/N: 307083	D97				
PUMP, HF ACID CIRCULATION, 68-P-1A, 300 HP, WITH VENTED SEAL AND SEAL POT A/N: 307083	D1008	D949			D238.1
PUMP, HF ACID CIRCULATION, 68-P-1B, 300 HP, WITH VENTED SEAL AND SEAL POT A/N: 307083	D1010	D949			
PUMP, HF ACID EVACUATION, 68-P-16, 75 HP, STANDBY, WITH VENTED SEAL AND SEAL POT A/N:	D1011	D949			D238.1
REACTOR, 68-E-3, NO.1, HF ACID, SHELL AND TUBE TYPE A/N: 307083	D1137				D238.1

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



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 7: ALKYLATION AND ISOMERIZATION</b>					P13.1
REACTOR, 68-E-4, NO.2, HF ACID, SHELL AND TUBE TYPE A/N: 307083	D1138				D238.1
KNOCK OUT POT, 68-V-18, HEIGHT: 12 FT ; DIAMETER: 6 FT A/N:	D949	D1008 D1010 D1011			
VESSEL, POL YMER NEUTRALIZER, 68-V-17. HEIGHT: 12 FT ; DIAMETER: 6 FT A/N:	D89				
SCRUBBER, 68-V-20, ACID RELIEF GAS, HEIGHT: 46 FT ; DIAMETER: 12 FT 6 IN A/N:	D90	D950 D1288			
DRUM, NEUTRALIZING, 68-V-19, LENGTH: 20 FT ; DIAMETER: 6 FT A/N:	D950	D90			
VESSEL, 68-V-21. KOH, WITH MIXER, LENGTH: 6 FT ; DIAMETER: 4 FT A/N: 307083	D951				
TANK, KOH REGENERATION, 68-V-22, HEIGHT: 23 FT ; DIAMETER: 8 FT A/N:	D952				
SCRUBBER, 68-V-24A, LENGTH: 12 FT 9 IN; DIAMETER: 5 FT A/N:	D953	D1289			
SCRUBBER, 68-V-24B, LENGTH: 12 FT 9 IN; DIAMETER: 5 FT A/N:	D954	D1289			

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



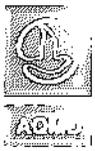
## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 7: ALKYLATION AND ISOMERIZATION</b>					P13.1
EJECTOR, 68-EJ-2, NEUTRALIZING DRUM A/N:	D1288	D90			
EJECTOR, 68-EJ-3, LIME ADDITION A/N:	D1289	D953 D954			
FUGITIVE EMISSIONS, MISCELLANEOUS A/N:	D1333			HAP: (10) [40CFR 63 Subpart CC, #5A, 5-25-2001]	H23.17
<b>System 3: BUTAMER UNIT #69</b>					S4.4, S13.2, S15.5, S15.12, S31.5
VESSEL, BUTANE DRYER, 69-V-1A, HEIGHT: 39 FT 6 IN; DIAMETER: 5 FT 6 IN A/N: 308206	D99				
VESSEL, COALESCER, 69-V-2, LENGTH: 10 FT ; DIAMETER: 3 FT A/N: 308206	D100				
TANK, FEED, 69-V-3, LENGTH: 22 FT 6 IN; DIAMETER: 8 FT 6 IN A/N:	D101				
TANK, HOLDING, 69-V-4, PERCHLOROETHYLENE, LENGTH: 10 FT ; DIAMETER: 3 FT 6 IN A/N:	D102				
REACTOR, 69-V-5A, HEIGHT: 28 FT 6 IN; DIAMETER: 7 FT 6 IN A/N: 308206	D103				
VESSEL, SEPARATOR, 69-V-6, HEIGHT: 16 FT ; DIAMETER 5 FT A/N:	D104				

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



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 7: ALKYLATION AND ISOMERIZATION</b>					P13.1
VESSEL, MAKE UP GAS DRIER, 69-V-7A, HEIGHT: 28 FT ; DIAMETER: 1 FT 6 IN A/N:	D105				
COLUMN, 69-V-8, STABILIZER, IN TWO SECTIONS, HEIGHT: 131 FT 6 IN; DIAMETER: 8 FT 6 IN A/N:	D106				
VESSEL, RECEIVER, STABILIZER, 69-V-9, LENGTH: 10 FT 6 IN; DIAMETER: 3 FT 6 IN A/N:	D107				
SCRUBBER, STABILIZER GAS, 69-V-10, HEIGHT: 30 FT 6 IN; DIAMETER: 5 FT A/N:	D108				
VESSEL, BUTANE DRIER, 69-V-1 B, HEIGHT: 28 FT 6 IN; DIAMETER: 5 FT 6 IN A/N: 308206	D111				
REACTOR, 69-V-5B, HEIGHT 28 FT 6 IN; DIAMETER 7 FT 6 IN A/N: 308206	D112				
VESSEL, MAKE UP GAS DRIER, 69-V-7B, HEIGHT: 28 FT ; DIAMETER: 1 FT 6 IN A/N:	D113				
COMPRESSOR, RECYCLE GAS, 69-C-1 A/N:	D557				

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

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

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 7: ALKYLATION AND ISOMERIZATION</b>					P13.1
COLUMN, DEISOBUTANIZER (DIB), 69-V-11, HEIGHT: 175 FT ; DIAMETER: 11 FT 6 IN A/N:	D788				
ACCUMULATOR, DIB OVERHEAD, 69-V-12, LENGTH: 31 FT 6 IN. DIAMETER: 10 FT 6 IN A/N:	D789				
EJECTOR, 69-EJ-1, STEAM JET A/N:	DI290				H23.1
FUGITIVE EMISSIONS, MISCELLANEOUS A/N:	DI334				H23.17
<b>System 5: ALKYLATION UNIT #68 HEATERS</b>					
HEATER, 68-H-1, REFINERY GAS, 57 MMBTU/HR WITH A/N: 447453  BURNER, 5 BURNERS, REFINERY GAS, JOHN ZINK, MODEL PSMR-18M, LOW NOX BURNER, 57 MMBTU/HR	D98		NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	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]	A63.1, B61.1, B61.2, D90.3, D328.1, H23.5
<b>Process 8: GAS PRODUCTION</b>					P13.1
<b>System 1: FCCU GAS PLANT/FRACTIONATION SECTION UNIT 61</b>					S4.7, S13.2, S15.5, S15.12
ACCUMULATOR, MAIN COLUMN, 61-V-6, LENGTH: 25 FT ; DIAMETER: 14 FT 2 IN A/N: 291953	D114				

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

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 3: GAS PRODUCTION</b>					P13.1
COLUMN, HEAVY NAPHTHA STRIPPING, 61-V-20, HEIGHT: 40 FT ; DIAMETER: 3 FT 6 IN A/N: 291953	D812				
TANK, SURGE, RAW OIL, 61-V-3, HEIGHT: 35 FT ; DIAMETER: 14 FT 2 IN A/N: 291953	D955				
COLUMN, MAIN FRACTIONATION, 61-V-5, HEIGHT: 131 FT 3 IN, DIAMETER: 16 FT A/N: 291953	D956				
COLUMN, LIGHT CYCLE OIL STRIPPER, 61-V-7, HEIGHT: 32 FT ; DIAMETER: 5 FT 6 IN A/N: 291953	D957				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 291953	D1336	*		HAP: (10) [40CFR 63 Subpart CC, #5A, 5-25-2001]	H23.17
<b>System 2: FCCU GAS PLANT/CONCENTRATION AND COMPRESSION UNIT 63</b>					S4.7, S13.2, S15.5, S15.12
DRUM, FIRST STAGE SUCTION, 63-V-1, HEIGHT: 15 FT ; DIAMETER: 7 FT 6 IN A/N: 307086	D116				
VESSEL, RECEIVER, INTERSTAGE, 63-V-2, HEIGHT: 12 FT ; DIAMETER: 6 FT A/N: 307086	D117				
VESSEL, SEPARATOR, HIGH PRESSURE, 63-V-4, LENGTH: 34 FT ; DIAMETER: 11 FT A/N: 307086	D118				

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

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 8: GASERODUCTION</b>					P13.1
COLUMN, DEBUTANIZER, 63-V-8, HEIGHT: 100 FT 9 IN; DIAMETER: 9 FT A/N: 307086	D119				
VESSEL, RECEIVER, DEBUTANIZER, 63-V-9, HEIGHT: 25 FT ; DIAMETER: 8 FT A/N: 307086	D120				
REACTOR, SELECTIVE HYDROGENATION UNIT, 63-R-1 A/N: 307086	D823				
TANK, WATER INJECTION, 63-V-3, HEIGHT: 6 FT ; DIAMETER: 3 FT A/N: 307086	D958				
ABSORBER, PRIMARY, 63-V-12, HEIGHT: 98 FT 8 IN; DIAMETER: 6 FT 6 IN A/N: 307086	D959				
ABSORBER, SPONGE, 63-V-6, HEIGHT: 64 FT 6 IN; DIAMETER: 4 FT A/N: 307086	D960				
COLUMN, STRIPPER, 63-V-7, HEIGHT: 81 FT ; DIAMETER: 8 FT 6 IN A/N: 307086	D961				
COMPRESSOR, 63-C-1, WET GAS, TWO STAGES, 6000 HP, WITH SEALS VENTED TO VAPOR RECOVERY SYSTEM A/N: 307086	D963				

- \* (1) (1A) (1B) Denotes RECLAIM emission factor
  - (3) Denotes RECLAIM concentration limit
  - (5) (5A) (5B) Denotes command and control emission limit
  - (7) Denotes NSR applicability limit
  - (9) See App B for Emission Limits
  - (2) (2A) (2B) Denotes RECLAIM emission rate
  - (4) Denotes BACT emission limit
  - (6) Denotes air toxic control rule limit
  - (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
  - (10) See section J for NESHAP/MACT requirements
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## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 8: GAS PRODUCTION</b>					P13.1
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 307086	D1337			HAP: (10) [40CFR 63 Subpart CC, #5A, 5-25-2001]	H23.17
<b>System 3: FCCU GAS PLANT/LPG PREFRACTIONATION DRYING SECTION</b>					S4.3, S13.2, S15.5, S15.12, S31.2
COLUMN, DRYING, 63-V-10, HEIGHT: 94 FT 6 IN; DIAMETER: 9 FT 6 IN A/N: 178015	D121				
VESSEL, RECEIVER, DRYING COLUMN, 63-V-11, LENGTH: 21 FT ; DIAMETER: 7 FT A/N: 178015	D122				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N:	D1338			HAP: (10) [40CFR 63 Subpart CC, #5A, 5-25-2001]	H23.17
<b>System 4: LIGHT ENDS VAPOR RECOVERY UNIT #43</b>					S4.4, S13.2, S15.5, S15.12, S31.5
ABSORBER, SPONGE, 43-V-402, HEIGHT: 95 FT ; DIAMETER: 6 FT A/N:	D123				
COLUMN, DEPROPANIZER, 43-V-404, HEIGHT: 75 FT ; DIAMETER: 5 FT 6 IN A/N:	D124				
ACCUMULATOR, DEPROPANIZER OVERHEAD, 43-V-405, LENGTH: 12 FT ; DIAMETER: 3 FT A/N:	D965				

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

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 8: GAS PRODUCTION</b>					P13.1
COMPRESSOR, LIGHT ENDS FEED, 43-C-400A, 2 STAGE RECIPROCATING, WITH 350 HP MOTOR A/N:	D125				
COMPRESSOR, LIGHT ENDS FEED, 43-C-400B A/N:	D126				
SCRUBBER, BUTANE CAUSTIC, 43-V-4001, HEIGHT: 30 FT ; DIAMETER: 1 FT 6 IN A/N:	D127				
VESSEL, COALESCER, 43-V-4002, HEIGHT: 28 FT ; DIAMETER: 5 FT 8 IN A/N:	D128				
KNOCK OUT POT, LIGHT ENDS COMPRESSOR, 43-V-309, HEIGHT: 9 FT ; DIAMETER: 3 FT A/N: 304106	D964				
VESSEL, WATER TRAP, 43-V-411, HEIGHT: 4 FT ; DIAMETER: 2 FT A/N:	D966				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N:	D1339			HAP: (10) [40CFR 63 Subpart CC, #5A, 5-25-2001]	H23.17
<b>System 5: LIGHT ENDS VAPOR RECOVERY UNIT #44</b>					S13.2, S15.3, S15.5, S18.3
ABSORBER, SPONGE, 44-V-4002, HEIGHT: 95 FT ; DIAMETER: 6 FT A/N: 304107	D129				

- \* (1) (1A) (1B) Denotes RECLAIM emission factor
  - (3) Denotes RECLAIM concentration limit
  - (5) (5A) (5B) Denotes command and control emission limit
  - (7) Denotes NSR applicability limit
  - (9) See App B for Emission Limits
  - (2) (2A) (2B) Denotes RECLAIM emission rate
  - (4) Denotes BACT emission limit
  - (6) Denotes air toxic control rule limit
  - (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc )
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<b>Process 8: GAS PRODUCTION</b>					P13.1
COLUMN, DEBUTANIZER, 44-V-4004. HEIGHT: 85 FT ; DIAMETER: 7 FT A/N: 304107	D130				
ACCUMULATOR, DEBUTANIZER OVERHEAD, 44-V-4005, LENGTH: 15 FT ; DIAMETER: 4 FT 6 IN A/N: 304107	D131				
COMPRESSOR, LIGHT ENDS, 44-C-4000 A/N: 304107	D558				
EJECTOR, 44-E-4010-EJ1, FIRST STAGE A/N: 304107	D1291				H23.1
EJECTOR, 44-E-4010-EJ2, SECOND STAGE A/N: 304107	D1292				H23.1
EJECTOR, 44-E-4010-EJ3 A/N: 304107	D1293				H23.1
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 304107	D1340			HAP: (10) [40CFR 63 Subpart CC, #5A, 5-25-2001]	H23.17
<b>Process 9: BLENDING</b>					P13.1
<b>System 1: GASOLINE BLENDING UNIT</b>					S13.2, S15.5, S15.12
DRUM, EXCESS SAMPLE, 82-V-9, VENTED TO ATMOSPHERE THROUGH VAPOR FILTER, LENGTH: 4 FT 10 IN; DIAMETER: 3 FT A/N: 178019	D133	D967			
TANK, PROTO FUEL MIX, 82-V-10, PRESSURIZED, 6.25 FT. 3 FT A/N: 178019	D134				

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

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 9: BLENDING</b>					P13.1
TANK, PROTO FUEL MIX, 82-V-11, PRESSURIZED, LENGTH: 6 FT 3 IN; DIAMETER: 3 FT A/N: 178019	D135				
TANK, PROTO FUEL MIX, 82-V-12, PRESSURIZED, LENGTH: 6 FT 3 IN; DIAMETER: 3 FT A/N: 178019	D136				
TANK, STANBY FUEL, 82-V-13, PRESSURIZED, LENGTH: 6 FT 3 IN; DIAMETER: 3 FT A/N: 178019	D137				
TANK, DYE, 82-ME-3-V-1, VENTED TO THE ATMOSPHERE, LENGTH: 6 FT 3 IN; DIAMETER: 3 FT A/N: 178019	D138				
TANK, ANTI-OXIDANT, 82-ME-3-V-2, VENTED TO THE ATMOSPHERE, LENGTH: 8 FT 9 IN; DIAMETER: 4 FT A/N: 178019	D139				
TANK, METAL-DEACTIVATOR, 82-ME-3-V-3, VENTED TO THE ATMOSPHERE, LENGTH: 10 FT 6 IN; DIAMETER: 6 FT A/N: 178019	D140				
FILTER, EXCESS SAMPLE DRUM VAPOR, 82-ME-4 A/N: 178019	D967	D133			
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 178019	D1341				H23.17
<b>Process 10: TREATING/STRIPPING</b>					P13.1

- (1) (1A) (1B) Denotes RECLAIM emission factor
  - (3) Denotes RECLAIM concentration limit
  - (5) (5A) (5B) Denotes command and control emission limit
  - (7) Denotes NSR applicability limit
  - (9) See App B for Emission Limits
  - (2) (2A) (2B) Denotes RECLAIM emission rate
  - (4) Denotes BACT emission limit
  - (6) Denotes air toxic control rule limit
  - (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc)
  - (10) See section J for NESHAP/MACT requirements
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**FACILITY PERMIT TO OPERATE  
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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
<b>Process 1: TREATING/STRIPPING</b>					P13.1
<b>System 1: SOUR WATER STRIPPING</b>					S4.6, S13.2, S15.4, S15.5, S15.12
COLUMN, 54-V-1, SOUR WATER STRIPPING, HEIGHT: 90 FT., DIAMETER: 8 FT 6 IN A/N: 291941	D774				
ACCUMULATOR, 54-V-2, STRIPPER OVERHEAD, LENGTH: 13 FT., DIAMETER: 6 FT A/N: 291941	D779	D178 D181			
DRUM, SOUR WATER SURGE, 54-V-3, HEIGHT: 13 FT.; DIAMETER: 6 FT A/N: 291941	D1371				
DRAIN SYSTEM COMPONENT A/N: 291941	D1471				H23.4
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 291941	D1342				H23.16
<b>System 2: LPG MEROX TREATING UNIT #64</b>					S4.2, S4.3, S13.2, S15.5, S15.12
VESSEL, CAUSTIC PREWASH, 64-V-1, LENGTH: 21 FT.; DIAMETER: 5 FT 6 IN A/N: 339038	D152				
VESSEL, EXTRACTOR, 64-V-2, LENGTH: 38 FT.; DIAMETER: 4 FT A/N: 339038	D153				
VESSEL, CAUSTIC SETTLER, 64-V-3, LENGTH: 18 FT.; DIAMETER: 5 FT A/N: 339038	D154				

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

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 10: TREATING/STRIPPING</b>					P13.1
TANK, WATER BREAK, 64-V-5, HEIGHT: 6 FT ; DIAMETER: 4 FT A/N: 339038	D971				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 339038	D1343				H23.17
<b>System 3: LPG MEROX TREATING UNIT #65</b>					S13.2, S15.5, S15.12
VESSEL, CAUSTIC PREWASH, 65-V-1, LENGTH: 21 FT ; DIAMETER: 8 FT A/N: 280989	D155				
VESSEL, EXTRACTOR, 65-V-2, LENGTH: 38 FT ; DIAMETER: 6 FT A/N: 280989	D156				
TANK, VENT, 65-V-8, LENGTH: 6 FT ; DIAMETER: 1 FT 6 IN A/N: 280989	D157	D36			
VESSEL, SEPARATOR, 65-V-7, LENGTH: 16 FT ; DIAMETER: 4 FT A/N: 280989	D158	D36			
VESSEL, CAUSTIC SETTLER, 65-V-3, LENGTH: 24 FT ; DIAMETER: 6 FT 6 IN A/N: 280989	D972				
POT, CATALYST ADDITION, 65-V-5, LENGTH: 4 FT ; DIAMETER: 2 FT A/N: 280989	D985				
VESSEL, OXIDIZER, 65-V-6, HEIGHT: 20 FT ; DIAMETER: 2 FT A/N: 280989	D986	D36			

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



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 10: TREATING/STRIPPING</b>					P13.1
COLUMN, LPG/DGA CONTACTOR, 65-V-10, HEIGHT: 45 FT ; DIAMETER: 6 FT A/N: 280989	D987				
DRUM, WATER WASH, 65-V-12, LENGTH: 35 FT ; DIAMETER: 6 FT A/N: 280989	D988				
VESSEL, LEAN DGA FILTER, 65-F-1, HEIGHT: 8 FT ; DIAMETER: 3 FT 6 IN A/N: 280989	D989				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 280989	D1344				H23.17
<b>System 4: FCC GASOLINE MEROX TREATING UNIT #66</b>					S13.2, S15.5, S15.12
REACTOR, MEROX, 66-V-1, HEIGHT: 23 FT ; DIAMETER: 12 FT A/N: 178016	D159				
POT, DRAIN, 66-V-2, LENGTH: 5 FT ; DIAMETER 1 FT 6 IN A/N: 178016	D976				
EJECTOR, 66-EJ-1, ACETIC ACID AND CATALYST A/N: 178016	D1294				H23.1
EJECTOR, 66-EJ-2, STEAM CONDENSATE A/N: 178016	D1295				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 178016	D1345			HAP: (10) [40CFR 63 Subpart CC, #5A, 5-25-2001]	H23.17
<b>System 5: SOUR WATER STRIPPING UNIT #48</b>					S13.2, S15.4, S15.5, S15.12

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

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## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 10: TREATING/STRIPPING</b>					P13.1
COLUMN, SOUR WATER STRIPPER, 48-V-1, HEIGHT: 88 FT ; DIAMETER: 5 FT A/N: 178088	D160			SOX: 500 PPMV (5) [RULE 407, 4-2-1982]	
ACCUMULATOR, SOUR WATER STRIPPER OVERHEAD, 48-V-2, LENGTH: 8 FT ; DIAMETER: 3 FT A/N: 178088	D161				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 178088	D1346				H23.17
<b>System 6: SOUR WATER STRIPPING UNIT #49</b>					S13.2, S15.4, S15.5, S15.12
ACCUMULATOR, SOUR WATER STRIPPER OVERHEAD, 49-V-2, LENGTH 8 FT ; DIAMETER: 3 FT A/N: 178089	D162				
TANK, FLASH, 49-V-3, SOUR WATER, LENGTH: 9 FT ; DIAMETER: 3 FT 6 IN A/N: 178089	D163				
COLUMN, SOUR WATER STRIPPER, 49-V-1, HEIGHT: 87 FT ; DIAMETER: 5 FT A/N: 178089	D164			SOX: 500 PPMV (5) [RULE 407, 4-2-1982]	
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 178089	D1347				H23.17
<b>System 7: SPENT CAUSTIC OXIDATION UNIT</b>					S13.2, S15.5, S15.12

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

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## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 10: TREATING/STRIPPING</b>					P13.1
TANK, SPENT CAUSTIC FEED, 83-V-1, FIXED ROOF, 300 BBL; DIAMETER: 10 FT ; HEIGHT: 24 FT A/N: 277743	D165				
VESSEL, SPENT CAUSTIC OXIDIZER, 83-V-2, HEIGHT: 34 FT ; DIAMETER: 3 FT A/N: 277743	D166	D36			
TANK, HOLDING, 83-V-4A, 200 BBL; DIAMETER: 8 FT ; HEIGHT: 22 FT 6 IN A/N: 277743	D167				
KNOCK OUT POT, OFF-GAS, 83-V-6, LENGTH: 4 FT ; DIAMETER: 1 FT 6 IN A/N: 277743	D168	D36			
TANK, HOLDING, 83-V-4B, 200 BBL; DIAMETER: 8 FT ; HEIGHT: 22 FT 6 IN A/N: 277743	D169				
VESSEL, SEPARATOR, 83-V-3, LENGTH: 4 FT ; DIAMETER: 1 FT 6 IN A/N: 277743	D973	D36			H23.3
DRUM, LIFT TRAP, 83-V-5, HEIGHT: 4 FT ; DIAMETER: 2 FT A/N: 277743	D977				H23.3
<b>System 8: FIELD BUTANE CAUSTIC TREATING</b>					S4.1, S4.2, S13.2, S15.5, S15.12

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

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## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 10: TREATING/STRIPPING</b>					P13.1
SCRUBBER, 64-V-6, CAUSTIC TREATING, HEIGHT: 21 FT ; DIAMETER: 5 FT 6 IN A/N: 344828	D1280				C1.14
FUGITIVE EMISSIONS, MISCELLANEOUS A/N:	D1348				H23.16
<b>System 10: AMINE TREATING UNIT # 51</b>					S4.6, S13.2, S15.12, S18.5
SCRUBBER, 51-V-2, HEIGHT: 25 FT ; DIAMETER: 4 FT A/N: 291944	D782				
KNOCK OUT POT, 51-V-1, SOUR GAS, HEIGHT: 10 FT ; DIAMETER: 4 FT A/N: 291944	D785				
ABSORBER, 51-V-4, L. P. AMINE, HEIGHT: 65 FT ; DIAMETER: 4 FT A/N: 291944	D786				
KNOCK OUT POT, 51-V-5, SWEET GAS, HEIGHT: 10 FT ; DIAMETER: 4 FT A/N: 291944	D787				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 291944	D1363			HAP: (10) [40CFR 63 Subpart CC, #2, 5-25-2001]	H23.16
DRAIN SYSTEM COMPONENT A/N: 291944	D1472				H23.4
<b>System 11: AMINE TREATING UNIT # 55</b>					S4.6, S13.2, S15.4, S15.5, 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

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## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 10- TREATING/STRIPPING</b>					P13.1
REGENERATOR, AMINE 55-V-1, HEIGHT: 70 FT ; DIAMETER: 8 FT A/N: 312556	D835				E336.3
ACCUMULATOR, AMINE OVERHEAD, 55-V-2, ACID GAS VENTED TO SULFUR PLANT, HEIGHT: 9 FT ; DIAMETER: 4 FT A/N: 312556	D837				
VESSEL, CONDENSATE POT, 55-V-3, LENGTH: 9 FT ; DIAMETER: 3 FT 6 IN A/N: 312556	D839				
VESSEL, CONDENSATE POT, 55-V-4, LENGTH: 9 FT 6 IN; DIAMETER: 3 FT 6 IN A/N: 312556	D840				
FILTER, VACCO, 55-F-1, LEAN AMINE, 300 GPM CAPACITY A/N: 312556	D846				
FILTER, CARBON, 55-F-2, LEAN AMINE, 300 GPM CAPACITY A/N: 312556	D847				
ACCUMULATOR, BLACKFLUSH STEAM, 55-V-5 A/N: 312556	D863				
TANK, BACKFLUSH RECOVERY, 55-V-6 A/N: 312556	D1210				
VESSEL, WASTE DECANTER, 55-V-7 A/N: 312556	D1211				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 312556	D1364			HAP: (10) [40CFR 63 Subpart CC, #2, 5-25-2001]	H23.16

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

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 10: TREATING/STRIPPING</b>					P13.1
DRAIN SYSTEM COMPONENT A/N: 312556	D1468				H23.4
<b>System 12: AMINE TREATING UNIT # 45</b>					S13.2, S15.4, S15.5, S15.12, S18.4
TANK, SURGE, 45-V-4013, RICH AMINE, LENGTH: 35 FT ; DIAMETER: 14 FT 1 IN A/N: 485028	D444				E193.1
SCRUBBER, 45-V-4015, SOUR GAS, HEIGHT: 27 FT ; DIAMETER: 3 FT 6 IN A/N: 485028	D445				E193.1
ACCUMULATOR, 45-V-4008, HEIGHT 10 FT ; DIAMETER: 2 FT 6 IN A/N: 485028	D647				
ABSORBER, 45-V-4006, AMINE CONTACTOR, HEIGHT: 65 FT ; DIAMETER 4 FT A/N: 485028	D649				
DRUM, 45-V-4001, SOUR GAS KNOCKOUT, HEIGHT: 8 FT 6 IN; DIAMETER 3 FT 6 IN A/N: 485028	D1251				
REGENERATOR, 45-V-4007, AMINE, HEIGHT: 63 FT ; DIAMETER: 4 FT A/N: 485028	D1252				E336.3
TANK, FLASH, 45-V-4010, FLASH, RICH AMINE, VENTED TO ACID GAS RELIEF HEADER, HEIGHT: 12 FT ; DIAMETER: 4 FT 6 IN A/N: 485028	D1253				

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

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## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 10: TREATING/STRIPPING</b>					P13.1
SUMP, 45-SMP-1, AMINE, WIDTH: 10 FT 5 IN; DEPTH: 8 FT ; LENGTH: 13 FT 10 IN A/N: 485028	D1254				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 485028	D1367				H23.17
<b>System 13: FUEL GAS TREATING UNIT# 88</b>					S4.6, S13.2, S15.12, S31.5
MIXER, 88-MX-1, CAUSTIC, INLINE, STATIC A/N: 465660	D1642				
VESSEL, KNOCKOUT DRUM, 88-V-1, CAUSTIC WASH, HEIGHT: 14 FT ; DIAMETER: 5 FT A/N: 465660	D1643				
MIXER, 88-MX-2, WATER WASH, INLINE, STATIC A/N: 465660	D1644				
VESSEL, KNOCKOUT DRUM, 88-V-2, WATER WASH, HEIGHT: 12 FT ; DIAMETER: 4 FT A/N: 465660	D1645				
DRUM, DEGASSING, 88-V-3, SPENT CAUSTIC, HEIGHT: 7 FT ; DIAMETER: 2 FT 6 IN A/N: 465660	D1646				
MIXER, 88-MX-3, MAKE-UP CAUSTIC, INLINE, STATIC A/N: 465660	D1647				
TANK, 41-TK-01, SPENT CAUSTIC, HEIGHT: 23 FT ; DIAMETER: 26 FT A/N: 465660	D682	C1648			

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

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## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 10: TREATING/STRIPPING</b>					P13.1
CARBON ADSORBER, TWO CANISTERS IN SERIES, 400 LBS CARBON PER CANISTER A/N: 465660	C1648	D682			D90.14, E128.1, E153.1
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 465660	D1649			HAP: (10) [40CFR 63 Subpart CC, #5A, 6-23-2003]	H23.16
<b>Process 11: SULFUR PRODUCTION</b>					P13.1
<b>System 1: SULFUR RECOVERY UNIT TRAIN #1</b>					S13.2, S13.9, S13.10, S15.11, S18.6
CONDENSER, 40-E-01, NO. 1, SULFUR A/N:	D1410				
CONDENSER, 40-E-02, NO. 2, SULFUR A/N:	D1411				
CONDENSER, 40-E-03, NO. 3, SULFUR A/N:	D1412				
CONDENSER, 40-E-04, NO. 4, SULFUR A/N:	D1413			H2S: 10 PPMV (5) [RULE 468, 10-8-1976]; H2S: 10 PPMV (8) [40CFR 60 Subpart J, 6-24-2008]; HAP: (10) [40CFR 63 Subpart UU, #4, 4-20-2006]; REDUCED S: 300 PPMV (8) [40CFR 60 Subpart J, 6-24-2008]; SOX: 500 PPMV (5) [RULE 407, 4-2-1982]	
<b>System 2: SULFUR RECOVERY UNIT TRAIN #2</b>					S13.2, S13.9, S13.10, S15.11, S18.6
CONDENSER, 40-E-51, NO. 1, SULFUR A/N:	D1414				
CONDENSER, 40-E-52, NO. 2, SULFUR A/N:	D1415				

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

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## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 11: SULFUR PRODUCTION</b>					P13.1
CONDENSER, 40-E-53, NO. 3, SULFUR A/N:	D1416				
CONDENSER, 40-E-54, NO. 4, SULFUR A/N:	D1417			H2S: 10 PPMV (5) [RULE 468, 10-8-1976]; H2S: 10 PPMV (8) [40CFR 60 Subpart J, 6-24-2008]; HAP: (10) [40CFR 63 Subpart UUU, #4, 4-20-2006]; REDUCED S: 300 PPMV (8) [40CFR 60 Subpart J, 6-24-2008]; SOX: 500 PPMV (5) [RULE 407, 4-2-1982]	
<b>System 6: LIQUID SULFUR STORAGE</b>					S15.8, S15.13
PIT, 40-TK-01, SULFUR, WIDTH: 15 FT ; DEPTH: 10 FT ; LENGTH: 50 FT A/N:	D179			H2S: 10 PPMV (5) [RULE 468, 10-8-1976]	
PIT, 40-TK-51, SULFUR, WIDTH: 15 FT ; DEPTH: 10 FT ; LENGTH: 50 FT A/N:	D182	C1260		H2S: 10 PPMV (5) [RULE 468, 10-8-1976]	
<b>System 7: SULFUR VCS SERVING STORAGE TANK, PITS AND LOADING RACK</b>					S15.8, S15.13
EJECTOR, 40-EJ-01 A/N:	D849	C1260			H23.1
EJECTOR, 40-EJ-02 A/N:	D850	C1260			H23.1
<b>System 38: TAIL GAS UNIT 38, REDUCTION CONTROL</b>					S4.5, S13.8, S15.6, S15.8, S18.10
REACTOR, HYDROGENATION, 41-V-03, SRU TRAIN 1, LENGTH: 8 FT ; DIAMETER: 8 FT A/N:	D674				

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

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 10: SULFUR PRODUCTION</b>					P13.1
REACTOR, HYDROGENATION, 41-V-53, SRU TRAIN 2, LENGTH: 8 FT ; DIAMETER: 8 FT A/N:	D675				
SCRUBBER, 41-V-5, AMINE (IDLE), HEIGHT: 50 FT ; DIAMETER: 6 FT A/N:	D142				D90.2
COLUMN, 46-V-4007, AMINE REGENERATOR, HEIGHT: 63 FT ; DIAMETER: 4 FT A/N:	D1255				
REGENERATOR, 46-V-4008, AMINE, HEIGHT: 9 FT 10 IN, DIAMETER: 2 FT 6 IN A/N:	D650				E336.3
TANK, SURGE, 46-V-4010, AMINE, HEIGHT: 28 FT ; DIAMETER: 6 FT A/N:	D651				
VESSEL, 46-V-4011, CONDENSATE POT, LENGTH: 6 FT ; DIAMETER: 2 FT A/N:	D1256				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N:	D1351				H23.16
<b>System 39: TAIL GAS UNIT 39, REDUCTION CONTROL</b>					S13.8, S15.6, S15.8, S18.10
REACTOR, HYDROGENATION, 41-V-03, SRU TRAIN 1, LENGTH: 8 FT ; DIAMETER: 8 FT A/N:	D674				

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

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 11: SULFUR PRODUCTION</b>					P13.1
REACTOR, HYDROGENATION, 41-V-53, SRU TRAIN 2, LENGTH: 8 FT ; DIAMETER: 8 FT A/N:	D675				
GENERATOR, REDUCING GAS, 41-H-02, 1ST TRAIN A/N: 255995	D678				
GENERATOR, REDUCING GAS, 41-H-51, 2ND TRAIN A/N: 255995	D679				
ABSORBER, AMINE, 39-V-2, HEIGHT: 42 FT ; DIAMETER: 7 FT A/N:	D148			CO: 2000 PPMV (5) [RULE 407, 4-2-1982]	
REGENERATOR, AMINE, 39-V-3, HEIGHT: 55 FT ; DIAMETER: 5 FT A/N: 176874	D560				
DRUM, AMINE REFLUX, 39-V-5, HEIGHT: 10 FT ; DIAMETER: 3 FT A/N: 176874	D561				
TANK, SURGE, LEAN AMINE, 39-V-4, HEIGHT: 20 FT ; DIAMETER: 5 FT A/N: 176874	D676				
VESSEL, SEPARATOR, ACID GAS, 42-V-408, LENGTH: 7 FT ; DIAMETER: 2 FT A/N: 318640	D141				
TOWER, STRIPPER, 42-V-407, HEIGHT: 54 FT 3 IN; DIAMETER: 5 FT A/N: 318640	D143				

- |  |   |
|--|---|
| * (1) (1A) (1B) Denotes RECLAIM emission factor          | (2) (2A) (2B) Denotes RECLAIM emission rate                   |
| (3) Denotes RECLAIM concentration limit                  | (4) Denotes BACT emission limit                               |
| (5) (5A) (5B) Denotes command and control emission limit | (6) Denotes air toxic control rule limit                      |
| (7) Denotes NSR applicability limit                      | (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.) |
| (9) See App B for Emission Limits                        | (10) See section J for NESHAP/MACT requirements               |

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 11: SULFUR PRODUCTION</b>					P13.1
ACCUMULATOR, 43-V-409, LENGTH: 19 FT ; DIAMETER: 3 FT A/N: 318640	D146				
VESSEL, RECEIVER, CONDENSATE, 42-V-410, HEIGHT: 4 FT 3 IN; DIAMETER: 3 FT A/N: 318640	D969				
TANK, FILTER BACKWASH, 42-TK-400, HEIGHT: 3 FT 9 IN; DIAMETER: 3 FT A/N: 318640	D970				
VESSEL, 39-V-6, CONDENSATE DRUM, HEIGHT: 13 FT ; DIAMETER: 2 FT A/N: 318640	D1285				
FILTER, 39-V-7, BACKFLUSH A/N: 318640	D1286				
TANK, 39-TK-1, AMINE, HEIGHT: 13 FT 6 IN; DIAMETER: 12 FT A/N: 318640	D1282				
TANK, 39-TK-2, AMINE RUNDOWN, HEIGHT: 18 FT 6 IN; DIAMETER: 12 FT A/N: 318640	D1283				
TANK, 39-TK-3, AMINE SUMP, HEIGHT: 7 FT ; DIAMETER: 6 FT A/N: 318640	D1284				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 176874	D1352				H23.17
<b>Process 12: LOADING/UNLOADING</b>					P13.1
<b>System 1: CRUDE AND GAS OIL TANK TRUCK UNLOADING</b>					

- \* (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 ULTRAMAR INC (NSR USE ONLY)

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 2: LOADING/UNLOADING</b>					P13.1
UNLOADING ARM, BOTTOM, TANK TRUCK, TWO BOTTOM UNLOADING FLEXIBLE HOSES, CRUDE OIL, DIAMETER: 4 IN A/N: 178039	DI85				H23.29
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 178039	DI623				H23.17
<b>System 2: LPG TANK TRUCK LOADING AND UNLOADING - PHASE I</b>					
LOADING AND UNLOADING ARM, BOTTOM, TANK TRUCK, BUTANE, WITH QUICK SHUT OFF VALVE AND VAPOR RETURN, 3 TOTAL; DIAMETER: 4 IN A/N: 178041	DI86				E144.1
UNLOADING ARM, BOTTOM, TANK TRUCK, PROPANE, ONE POSITION, WITH QUICK SHUT OFF VALVE AND VAPOR RETURN LINE, 1 TOTAL; DIAMETER: 3 IN A/N: 178041	DI87				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 178041	DI624				H23.17
<b>System 3: LPG TANK TRUCK LOADING/UNLOADING - PHASE II</b>					
LOADING ARM, BOTTOM, TANK TRUCK, 53-ME-3A/B, LIQUIFIED PETROLEUM GAS, WITH QUICK SHUT OFF VALVE AND VAPOR RETURN LINE, 2 TOTAL; DIAMETER: 3 IN A/N: 178042	DI90				E144.1

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

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 12: LOADING/UNLOADING</b>					P13.1
UNLOADING ARM, TANK TRUCK, 53-ME-4 A/B, BUTANE, WITH QUICK SHUT OFF VALVES AND VAPOR RETURN LINES, 2 TOTAL; DIAMETER: 3 IN A/N: 178042	D191				E144.1
DRUM, 53-V-3A, FIELD BUTANE FLOW LIMIT, NITROGEN PURGE, LENGTH: 6 FT ; DIAMETER: 3 FT A/N: 178042	D192				
DRUM, 53-V-3B, FIELD BUTANE FLOW LIMIT, NITROGEN PURGE, HEIGHT: 6 FT ; DIAMETER: 3 FT A/N: 178042	D195				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 178042	D1625				H23.17
<b>System 4: TANK TRUCK BULK LOADING</b>					
LOADING ARM, BOTTOM, TANK TRUCK, DIESEL FUEL, WITH DRY BREAK QUICK CONNECTION AND VAPOR RETURN LINES, 8 TOTAL; DIAMETER: 4 IN A/N: 391840	D196	D198			CI.28, D90.12
LOADING ARM, BOTTOM, TANK TRUCK, IDLED, GASOLINE, WITH DRY BREAK QUICK CONNECTION AND VAPOR RETURN LINES, 8 TOTAL; DIAMETER: 4 IN A/N:	D197	D198		HAP: (10) [40CFR 63 Subpart CC, #6, 5-25-2001]; VOC: 0.08 LBS/1000 GAL (5) [RULE 462, 5-14-1999]	CI.11, D90.12, H23.19

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

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



**FACILITY PERMIT TO OPERATE  
ULTRAMAR INC (NSR USE ONLY)**

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 12: LOADING/UNLOADING</b>					P13.1
TANK, VAPOR RECOVERY DROP OUT, 53-V-2, WIDTH: 4 FT ; HEIGHT: 6 FT ; LENGTH: 5 FT A/N:	D198	D196 D197 C1029			
SUMP, 94-SMP-1, CRUDE TANK DRAW OFF, WASTE WATER, COVERED, WIDTH: 10 FT ; DEPTH: 10 FT ; LENGTH: 10 FT A/N:	D199			BENZENE: (10) [40CFR 61 Subpart FF_01, 12-4-2003]; HAP: (10) [40CFR 63 Subpart CC, #2, 5-25-2001]; VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]	H23.25
LOADING ARM, TANK TRUCK, TOP, 53-ME-2 A/B, DECANT OIL, 2 TOTAL; DIAMETER: 4 IN A/N: 391840	D547				C1.28, D90.12
FUGITIVE EMISSIONS, MISCELLANEOUS A/N:	D1626				H23.17
<b>System 5: SULFUR TANK TRUCK AND TANK CAR LOADING</b>					
LOADING ARM, SULFUR, DOUBLE PIPE JACKETED ARM, WITH VAPOR RETURN LINE, WIDTH: 10 FT ; DEPTH: 9 FT ; LENGTH: 10 FT A/N:	D200			SOX: 500 PPMV (5) [RULE 407, 4-2-1982]	
<b>Process 13: OIL/WATER SEPARATION</b>					
<b>System 1: WASTE WATER TREATMENT SYSTEM</b>					S4.3, S13.7, S15.5, S15.12
SUMP, DIVERSION BOX, FIXED COVER, 95-SMP-1, WIDTH: 21 FT 6 IN; DEPTH 12 FT ; HEIGHT: 34 FT A/N:	D201			BENZENE: (10) [40CFR 61 Subpart FF_01, 12-4-2003]; VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]	H23.25

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

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 13: OIL/WATER SEPARATION</b>					
WASTE WATER SEPARATOR, PARALLEL PLATE INTERCEPTOR, 95-ME-9001A, FIXED COVER A/N:	D209	D1235		BENZENE: (10) [40CFR 61 Subpart FF_01, 12-4-2003]; VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]	
WASTE WATER SEPARATOR, PARALLEL PLATE INTERCEPTOR, 95-ME-9002 A, FIXED COVER A/N:	D210			BENZENE: (10) [40CFR 61 Subpart FF_01, 12-4-2003]; HAP: (10) [40CFR 63 Subpart CC, #2, 5-25-2001]; VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]	
HOPPER, 95-ME-9004, FIXED COVER, SLUDGE A/N:	D212	D1235		BENZENE: (10) [40CFR 61 Subpart FF_01, 12-4-2003]; VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]	
WASTE WATER SEPARATOR, PARALLEL PLATE INTERCEPTOR, 95-ME-9001B, FIXED COVER A/N:	D214			BENZENE: (10) [40CFR 61 Subpart FF_01, 12-4-2003]; VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]	
WASTE WATER SEPARATOR, PARALLEL PLATE INTERCEPTOR, 95-ME-9002B, FIXED COVER A/N:	D215			BENZENE: (10) [40CFR 61 Subpart FF_01, 12-4-2003]; HAP: (10) [40CFR 63 Subpart CC, #2, 5-25-2001]; VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]	
CENTRIFUGE, 95-ME-9003B, HORIZONTAL DECANTER, 200 GPM A/N: 176872	D216				
TANK, DESANDER, 95-TK-9021A, FIXED ROOF, HEIGHT: 11 FT ; DIAMETER: 6 FT A/N:	D881	D1235		BENZENE: (10) [40CFR 61 Subpart FF_01, 12-4-2003]; VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]	

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



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 1B: OIL/WATER SEPARATION</b>					
TANK, DESANDER, 95-TK-9021B, FIXED ROOF, HEIGHT: 11 FT ; DIAMETER: 6 FT A/N:	D882	D1235		BENZENE: (10) [40CFR 61 Subpart FF_01, 12-4-2003]; VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]	
SUMP, 83-SMP-3, CRUDE TANK DRAW-OFF, FIXED COVER, 13800 GALS; WIDTH: 10 FT ; DEPTH: 9 FT ; LENGTH: 10 FT A/N:	D999			BENZENE: (10) [40CFR 61 Subpart FF_01, 12-4-2003]; HAP: (10) [40CFR 63 Subpart CC, #2, 5-25-2001]; VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]	
TANK, 95-TK-9018, PPI SLUDGE BLOWDOWN, FIXED ROOF, VENTED TO VAPOR RECOVERY SYSTEM, 240 BBL; DIAMETER: 12 FT ; HEIGHT: 12 FT A/N:	D1000	D1235		BENZENE: (10) [40CFR 61 Subpart FF_01, 12-4-2003]; VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]	
CONVEYOR, SCREW, SLUDGE AUGUR, 2HP A/N:	D1001				
MIXER, 95-ME-9004MX, SLUDGE A/N:	D1002				
<b>System 2: WASTE WATER SEPARATION AND STORAGE</b>					
STORAGE TANK, FIXED ROOF, 21-TK-1000, WASTE WATER, WITH AN OIL SKIMMER; VENTED TO CARBON ADSORPTION SYSTEM, 150000 BBL; DIAMETER: 150 FT ; HEIGHT: 48 FT A/N: 422926	D253	C1207		BENZENE: (10) [40CFR 61 Subpart FF_01, 12-4-2003]; BENZENE: 24 PPMV (6) [RULE 1401, 5-2-2003]; HAP: (10) [40CFR 63 Subpart CC, #2, 5-25-2001]; VOC: 500 PPMV (8) [40CFR 60 Subpart Kb, 10-15-2003; 40CFR 61 Subpart FF, 12-4-2003]	H23.13, K67.6

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



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 13: OIL/WATER SEPARATION</b>					
CARBON ADSORBER, TWO IN SERIES, EACH CONTAINING 6,600 LBS OF ACTIVATED CARBON A/N: 422926	C1207	D253			D90.5, E128.1, E153.2, K67.9
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 422926	D1354				H23.17
<b>Process 14: STORAGE TANKS</b>					
<b>System 1: FIXED ROOF TANKS</b>					
STORAGE TANK, FIXED ROOF, 81-TK-1, 25000 BBL; DIAMETER: 64 FT; HEIGHT: 45 FT A/N: 190799	D217			HAP: (10) [40CFR 63 Subpart CC, #2, 5-25-2001]	B22.3, C1.1, D90.10, H23.6
STORAGE TANK, FIXED ROOF, 81-TK-4, 25000 BBL, DIAMETER: 64 FT; HEIGHT: 48 FT A/N: 190797	D218			HAP: (10) [40CFR 63 Subpart CC, #2, 5-25-2001]	B22.3, C1.1, D90.10, H23.6
STORAGE TANK, FIXED ROOF, STEAM HEATED, 94-TK-909A, 2000 BBL; DIAMETER: 25 FT; HEIGHT: 24 FT A/N: 178078	D219	D1236		BENZENE: (10) [40CFR 61 Subpart FF_01, 12-4-2003]; VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]	H23.25, K67.6
STORAGE TANK, FIXED ROOF, STEAM HEATED, 94-TK-909B, 2000 BBL; DIAMETER: 25 FT; HEIGHT: 24 FT A/N: 178079	D220	D1236		BENZENE: (10) [40CFR 61 Subpart FF_01, 12-4-2003]; VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]	H23.25, K67.6
STORAGE TANK, FIXED ROOF, 48-TK-1, 20000 BBL; DIAMETER: 50 FT; HEIGHT: 58 FT A/N: 178081	D221	D1236			B22.1, C1.24, D90.10, H23.12

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



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 16 STORAGE TANKS</b>					P13.1
STORAGE TANK, FIXED ROOF, 95-TK-1, EMULSIFIED OIL/SOUR WATER, FUEL GAS BLANKETED, 10000 BBL, DIAMETER: 48 FT ; HEIGHT: 31 FT A/N: 178082	D222	D1239		BENZENE: (10) [40CFR 61 Subpart FF_01, 12-4-2003]; VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]	H23.25, K67.6
STORAGE TANK, FIXED ROOF, 95-TK-950, EMULSIFIED OIL/SOUR WATER, FUEL GAS BLANKETED, 10000 BBL, DIAMETER: 48 FT ; HEIGHT: 31 FT A/N: 178083	D223	D1239		BENZENE: (10) [40CFR 61 Subpart FF_01, 12-4-2003]; VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]	H23.25, K67.6
STORAGE TANK, FIXED ROOF, 95-TK-952, WET SLOP OIL/SOUR WATER, FUEL GAS BLANKETED, 10000 BBL, DIAMETER: 48 FT ; HEIGHT: 31 FT A/N: 178084	D224	D1239		BENZENE: (10) [40CFR 61 Subpart FF_01, 12-4-2003]. VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]	H23.25, K67.6
STORAGE TANK, FIXED ROOF, SC-631, WITH PRESSURE-VACUUM VALVE VENTED TO ATMOSPHERE, 2000 GALS, DIAMETER: 3 FT 10 IN; LENGTH: 6 FT 8 IN A/N: 207314	D234				K67.6
STORAGE TANK, FIXED ROOF, SC-803, WITH PRESSURE-VACUUM VALVE VENTED TO ATMOSPHERE, 350 GALS; DIAMETER: 2 FT 4 IN; HEIGHT: 4 FT 6 IN A/N: 207327	D245				K67.6

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



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process STORAGE TANKS</b>					P13.1
STORAGE TANK, FIXED ROOF, 91-P-915-TK-1, DIESEL FUEL, WITH PRESSURE-VACUUM VALVE VENTED TO ATMOSPHERE, 500 GALS; DIAMETER: 3 FT 5 IN; LENGTH: 7 FT A/N: 207348	D251				
STORAGE TANK, FIXED ROOF, 83-TK-5, VENTED TO VAPOR RECOVERY, 5000 BBL; DIAMETER: 36 FT ; HEIGHT: 30 FT A/N: 178080	D252	D1236		BENZENE: (10) [40CFR 61 Subpart FF_01, 12-4-2003]; VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]	B22.7, C1.23, D90.10, D90.12, H23.12, H23.25
STORAGE TANK, FIXED ROOF, 70-TK-1, WITH PRESSURE-VACUUM VALVE VENTED TO ATMOSPHERE, 550 GALS; DIAMETER: 3 FT 8 IN; HEIGHT: 7 FT A/N: 207311	D279				K67.6
STORAGE TANK, FIXED ROOF, ANTI-FOAM DILLUTION, WITH PRESSURE-VACUUM VALVE VENTED TO ATMOSPHERE, 500 GALS; DIAMETER: 2 FT 4 IN; HEIGHT: 5 FT 6 IN A/N: 207330	D283				K67.6
STORAGE TANK, FIXED ROOF, SC-615, KEROSENE, WITH PRESSURE-VACUUM VALVE VENTED TO ATMOSPHERE, 2000 GALS; DIAMETER: 5 FT 4 IN; LENGTH: 12 FT A/N: 207326	D974				K67.6

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

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 14: STORAGE TANKS</b>					P13.1
STORAGE TANK, FIXED ROOF, SC-607, KEROSENE, WITH PRESSURE-VACUUM VALVE VENTED TO ATMOSPHERE, 1000 GALS; DIAMETER: 6 FT ; LENGTH: 19 FT A/N: 207331	D975				K67.6
STORAGE TANK, FIXED ROOF, SC-605, 3000 GALS; DIAMETER: 7 FT ; LENGTH: 10 FT 6 IN A/N: 207322	D979				K67.6
STORAGE TANK, FIXED ROOF, SC-604, DIOXYLATED PHENOLIC RESIN, 2000 GALS; DIAMETER: 5 FT ; LENGTH: 12 FT A/N: 207324	D980				K67.6
STORAGE TANK, FIXED ROOF, 91-TK-9009, DIESEL FUEL, WITH PRESSURE-VACUUM VALVE VENTED TO ATMOSPHERE, 1800 GALS; DIAMETER: 5 FT ; LENGTH: 12 FT A/N: 207349	D981				K67.6
STORAGE TANK, FIXED ROOF, WITH PRESSURE-VACUUM VALVE VENTED TO ATMOSPHERE, 500 GALS; DIAMETER: 3 FT 10 IN; LENGTH: 6 FT 1 IN A/N: 244612	D982				K67.6
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 244612	D1355				H23.17
<b>System 2: EXTERNAL FLOATING ROOF TANKS</b>					S13.5

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



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 10 STORAGE TANKS</b>					P13.1
STORAGE TANK, EXTERNAL FLOATING ROOF, 94-TK-9001, CRUDE OIL, WELDED SHELL, 300000 BBL; DIAMETER: 221 FT ; HEIGHT: 48 FT WITH A/N: 271656  FLOATING ROOF, PONTOON  PRIMARY SEAL, WIPER TYPE, TUBE TYPE  SECONDARY SEAL, WIPER TYPE	D255			HAP: (10) [40CFR 63 Subpart CC, #2, 5-25-2001]	C1.2, H23.7
STORAGE TANK, EXTERNAL FLOATING ROOF, 94-TK-9002, WELDED SHELL, 300000 BBL; DIAMETER: 221 FT ; HEIGHT: 48 FT WITH A/N: 262831  FLOATING ROOF, PONTOON  PRIMARY SEAL, FLEX-A-SEAL  SECONDARY SEAL, FLEX-A-SEAL	D256			HAP: (10) [40CFR 63 Subpart CC, #2, 5-25-2001]	B22.7, C1.2, D90.10, H23.7

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



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Part 14: STORAGE TANKS</b>					P13.1
STORAGE TANK, EXTERNAL FLOATING ROOF, 94-TK-9003, DIESEL FUEL, CRUDE OIL, WELDED SHELL, 100000 BBL; DIAMETER: 127 FT 6 IN; HEIGHT: 48 FT WITH A/N: 451528  FLOATING ROOF, PONTOON  PRIMARY SEAL, MECHANICAL SHOE  SECONDARY SEAL, RIM MOUNTED, WIPER TYPE  GUIDEPOLE, GASKETED COVER, WITH FLOAT, SLEEVE, WIPER, SLOTTED	D257			HAP: (10) [40CFR 63 Subpart CC, #2, 5-25-2001]	C1.38, H23.7

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

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

**FACILITY PERMIT TO OPERATE  
ULTRAMAR INC (NSR USE ONLY)**

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 1A STORAGE TANKS</b>					P13.1
STORAGE TANK, EXTERNAL FLOATING ROOF, 94-TK-9004, NAPHTHA, HYDROTREATED GAS OIL, GAS OIL, JET FUEL, CRUDE OIL, GASOLINE, DIESEL FUEL, WELDED TANK SHELL, 100000 BBL; DIAMETER: 127 FT 6 IN, HEIGHT: 48 FT 6 IN WITH A/N: 316377  FLOATING ROOF, PONTOON  PRIMARY SEAL, METALLIC SHOE  SECONDARY SEAL, RIM MOUNTED, WIPER TYPE	D258			HAP: (10) [40CFR 63 Subpart CC, #2, 5-25-2001]	C1.9, D90.11, H23.7
STORAGE TANK, EXTERNAL FLOATING ROOF, 94-TK-9005, 150000 BBL; DIAMETER: 156 FT ; HEIGHT: 48 FT WITH A/N: 190793  FLOATING ROOF, PONTOON  PRIMARY SEAL, CATEGORY A, MECHANICAL SHOE  SECONDARY SEAL, CATEGORY A, RIM MOUNTED, WIPER TYPE	D259			HAP: (10) [40CFR 63 Subpart CC, #2, 5-25-2001]	B22.2, D90.10, H23.7, K67.6

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



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 14 STORAGE TANKS</b>					<b>P13.1</b>
STORAGE TANK, EXTERNAL FLOATING ROOF, 94-TK-9006, 150000 BBL; DIAMETER: 156 FT ; HEIGHT: 48 FT WITH A/N: 190792  FLOATING ROOF, PONTOON  PRIMARY SEAL, CATEGORY A, MECHANICAL SHOE  SECONDARY SEAL, CATEGORY A, RIM MOUNTED, WIPER TYPE	D260			HAP: (10) [40CFR 63 Subpart CC, #2, 5-25-2001]	B22.4, C1.3, D90.10, H23.7
STORAGE TANK, EXTERNAL FLOATING ROOF, 94-TK-9007, CRUDE OIL, WELDED SHELL, 250000 BBL; DIAMETER: 201 FT 6 IN; HEIGHT: 48 FT WITH A/N: 483995  FLOATING ROOF, PONTOON  PRIMARY SEAL, LIQUID MOUNTED  SECONDARY SEAL, RIM MOUNTED, WIPER TYPE  GUIDEPOLE, GASKETED COVER, WITH FLOAT, SLEEVE, WIPER, SLOTTED	D261			HAP: (10) [40CFR 63 Subpart CC, #2, 5-25-2001]	B22.9, C1.40, H23.7

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



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 14 STORAGE TANKS</b>					P13.1
STORAGE TANK, EXTERNAL FLOATING ROOF, 94-TK-9008, WELDED SHELL, 100000 BBL; DIAMETER: 127 FT 6 IN; HEIGHT: 48 FT WITH A/N: 289211  FLOATING ROOF, PONTOON  PRIMARY SEAL, LIQUID MOUNTED  SECONDARY SEAL, RIM MOUNTED	D262			HAP: (10) [40CFR 63 Subpart CC, #3A, 5-25-2001]	B22.8, C1.20, D90.10, H23.7
STORAGE TANK, EXTERNAL FLOATING ROOF, 94-TK-9009, CRUDE OIL, WELDED SHELL, 250000 BBL; DIAMETER: 210 FT 6 IN; HEIGHT: 48 FT WITH A/N: 229846  FLOATING ROOF, PONTOON  PRIMARY SEAL, CATEGORY A, MECHANICAL SHOE  SECONDARY SEAL, CATEGORY A, RIM MOUNTED, WIPER TYPE	D263			HAP: (10) [40CFR 63 Subpart CC, #2, 5-25-2001]	C1.21, H23.7

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

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



**FACILITY PERMIT TO OPERATE  
ULTRAMAR INC (NSR USE ONLY)**

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 14: STORAGE TANKS</b>					P13.1
STORAGE TANK, EXTERNAL FLOATING ROOF, 94-TK-9010, 50000 BBL; DIAMETER: 90 FT 6 IN; HEIGHT: 48 FT WITH A/N: 190796  FLOATING ROOF, PONTOON  PRIMARY SEAL, CATEGORY A, MECHANICAL SHOE  SECONDARY SEAL, CATEGORY A, RIM MOUNTED, WIPER TYPE	D264			HAP: (10) [40CFR 63 Subpart CC, #2, 5-25-2001]	B22.5, C1.4, D90.10, H23.7
STORAGE TANK, EXTERNAL FLOATING ROOF, 94-TK-9011, JET FUEL (JPA), FCC GASOLINE BLEND, WELDED SHELL, 50000 BBL; DIAMETER: 90 FT 6 IN; HEIGHT: 48 FT WITH A/N: 449917  FLOATING ROOF, PONTOON  PRIMARY SEAL, CATEGORY A, MECHANICAL SHOE  SECONDARY SEAL, CATEGORY A, RIM MOUNTED, WIPER TYPE	D265			HAP: (10) [40CFR 63 Subpart CC, #2, 5-25-2001]	C1.22, H23.7

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



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 14: STORAGE TANKS</b>					P13.1
STORAGE TANK, EXTERNAL FLOATING ROOF, 94-TK-9012, NAPHTHA, HYDROTREATED GAS OIL, GAS OIL, JET FUEL, GASOLINE, CRUDE OIL, DIESEL FUEL, WELDED SHELL, 100000 BBL; DIAMETER: 127 FT 6 IN; HEIGHT: 48 FT WITH A/N: 315757  FLOATING ROOF, PONTOON  PRIMARY SEAL, LIQUID MOUNTED  SECONDARY SEAL, WIPER TYPE, RIM MOUNTED	D266			HAP: (10) [40CFR 63 Subpart CC, #2, 5-25-2001]	C1.5, D90.11, H23.7
STORAGE TANK, EXTERNAL FLOATING ROOF, 82-TK-7, 5000 BBL; DIAMETER: 36 FT ; HEIGHT: 32 FT WITH A/N: 178067  FLOATING ROOF, PONTOON  PRIMARY SEAL, WIPER TYPE  SECONDARY SEAL, WIPER TYPE	D272			HAP: (10) [40CFR 63 Subpart CC, #2, 5-25-2001]	B22.7, C1.19, D90.10, H23.6

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

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



**FACILITY PERMIT TO OPERATE  
ULTRAMAR INC (NSR USE ONLY)**

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 14 STORAGE TANKS</b>					P13.1
STORAGE TANK, EXTERNAL FLOATING ROOF, 82-TK-8, 5000 BBL; DIAMETER: 36 FT ; HEIGHT: 32 FT WITH A/N: 241253  FLOATING ROOF, PONTOON  PRIMARY SEAL, WIPER TYPE  SECONDARY SEAL, WIPER TYPE	D273			HAP: (10) [40CFR 63 Subpart CC, #2, 5-25-2001]	B22.7, C1.19, D90.10, H23.6
STORAGE TANK, EXTERNAL FLOATING ROOF, 81-TK-3, 50000 BBL; DIAMETER: 90 FT 6 IN; HEIGHT: 48 FT WITH A/N: 190798  FLOATING ROOF, PONTOON  PRIMARY SEAL, WIPER TYPE  SECONDARY SEAL, WIPER TYPE	D274			HAP: (10) [40CFR 63 Subpart CC, #2, 5-25-2001]	B22.2, D90.10, H23.6, K67.6

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

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 14: STORAGE TANKS</b>					P13.1
STORAGE TANK, EXTERNAL FLOATING ROOF. 94-TK-901, SLOP OIL, 20090 BBL; DIAMETER: 57 FT ; HEIGHT: 47 FT WITH A/N: 178065  FLOATING ROOF, PONTOON, WELDED SHELL  PRIMARY SEAL, WIPER TYPE  SECONDARY SEAL, WIPER TYPE	D276			BENZENE: (10) [40CFR 61 Subpart FF_01, 12-4-2003]; HAP: (10) [40CFR 63 Subpart CC, #2, 5-25-2001]; VOC: 500 PPMV (8) [40CFR 61 Subpart FF, 12-4-2003]	H23.25, K67.6
STORAGE TANK, 94-TK-902, 20000 BBL; DIAMETER: 54 FT ; HEIGHT: 52 FT 5 IN WITH A/N: 178062  FLOATING ROOF, PONTOON  PRIMARY SEAL, MECHANICAL SHOE  SECONDARY SEAL, WIPER TYPE	D277			HAP: (10) [40CFR 63 Subpart CC, #2, 5-25-2001]	K67.6
<b>System 3: PRESSURE TANKS, LPG STORAGE</b>					
STORAGE TANK, PRESSURIZED, 82-V-1, PROPANE, 88200 GALS; DIAMETER: 10 FT 10 IN; LENGTH: 133 FT A/N: 190788	D288	C400			

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

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



**FACILITY PERMIT TO OPERATE  
ULTRAMAR INC (NSR USE ONLY)**

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 14 STORAGE TANKS</b>					P13.1
STORAGE TANK, PRESSURIZED, 82-V-2, PROPANE, LIQUIFIED PETROLEUM GAS, 88200 GALS; DIAMETER: 10 FT 10 IN; LENGTH: 133 FT A/N: 190786	D289	C400			
STORAGE TANK, PRESSURIZED, 82-V-3, PROPANE, LIQUIFIED PETROLEUM GAS, 88200 GALS; DIAMETER: 10 FT 10 IN; LENGTH: 133 FT A/N: 190787	D290	C400			
STORAGE TANK, PRESSURIZED, 82-V-4, PROPANE, LIQUIFIED PETROLEUM GAS, 88200 GALS; DIAMETER: 10 FT 10 IN; LENGTH: 133 FT A/N: 190785	D291	C400			
STORAGE TANK, PRESSURIZED, 82-V-5, PROPANE, LIQUIFIED PETROLEUM GAS, 88200 GALS; DIAMETER: 10 FT 10 IN; LENGTH: 133 FT A/N: 190784	D292	C400			
STORAGE TANK, PRESSURIZED, 82-V-14, PROPANE, LIQUIFIED PETROLEUM GAS, 63000 GALS; DIAMETER: 10 FT 10 IN; LENGTH: 86 FT 6 IN A/N: 190789	D293	C400			

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

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 14: STORAGE TANKS</b>					P13.1
STORAGE TANK, PRESSURIZED, 82-V-15, NATURAL GAS, LIQUIFIED PETROLEUM GAS, 63000 GALS; DIAMETER: 10 FT 10 IN; LENGTH: 86 FT 6 IN A/N: 190790	D294	C400			
STORAGE TANK, PRESSURIZED, 94-V-500, PROPANE, 42000 GALS; DIAMETER: 10 FT ; LENGTH: 74 FT 10 IN A/N: 190791	D295				
STORAGE TANK, PRESSURIZED, 94-V-501, 42000 GALS; DIAMETER: 10 FT ; HEIGHT: 74 FT 10 IN A/N: 190783	D296				
<b>System 4: MOBILE TANKS</b>					
STORAGE TANK, FIXED ROOF, MOBILE, BAKER TYPE, NO. UR-7, WASTE WATER, VAPOR TIGHT WITH ONE P/V RELIEF VALVE, 21000 GALS; WIDTH: 8 FT ; HEIGHT: 12 FT 6 IN; LENGTH: 35 FT A/N: 307864	D307	C308		<b>BENZENE: (10) [40CFR 61 Subpart FF_01, 12-4-2003]; BENZENE: 15 PPMV (6) [RULE 1401, 3-4-2005]; H2S: 10 PPMV (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; HAP: (10) [40CFR 63 Subpart CC, #2, 5-25-2001]; VOC: 500 PPMV (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; VOC: 500 PPMV (8) [40CFR 60 Subpart Kb, 10-15-2003; 40CFR 61 Subpart FF, 12-4-2003]</b>	B22.6, C1.6, D90.10, H23.14, H23.25

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

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 14 STORAGE TANKS</b>					P13.1
CARBON ADSORBER, 55 GAL CANISTER, CONTAINING AT LEAST 150 LBS OF ACTIVATED CARBON A/N: 307864	C308	D307 C612			D90.1, E153.1
STORAGE TANK, FIXED ROOF, MOBILE, BAKER TYPE, NO. UR-8, WASTE WATER, VAPOR TIGHT WITH ONE P/V RELIEF VALVE, 21000 GALS, WIDTH: 8 FT ; HEIGHT: 12 FT 6 IN; LENGTH: 35 FT A/N: 307863	D309	C310		BENZENE: (10) [40CFR 61 Subpart FF_01, 12-4-2003]; BENZENE: 15 PPMV (6) [RULE 1401, 3-4-2005]; H2S: 10 PPMV (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; HAP: (10) [40CFR 63 Subpart CC, #2, 5-25-2001]; VOC: 500 PPMV (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; VOC: 500 PPMV (8) [40CFR 60 Subpart Kb, 10-15-2003; 40CFR 61 Subpart FF, 12-4-2003]	B22.6, C1.6, D90.10, H23.14, H23.25
CARBON ADSORBER, 55 GAL CANISTER, CONTAINING AT LEAST 150 LBS OF ACTIVATED CARBON A/N: 307863	C310	D309 C613			D90.1, E153.1
CARBON ADSORBER, 55 GAL CANISTER, CONTAINING AT LEAST 150 LBS OF ACTIVATED CARBON A/N: 307864	C612	C308			D90.1, E153.1
CARBON ADSORBER, 55 GAL CANISTER, CONTAINING AT LEAST 150 LBS OF ACTIVATED CARBON A/N: 307863	C613	C310			D90.1, E153.1

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



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 14: STORAGE TANKS</b>					P13.1
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 307864	D1357				H23.17
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 307863	D1358			HAP: (10) [40CFR 63 Subpart CC, #5A, 5-25-2001]	H23.17
<b>System 5: PRESSURE TANKS, BUTANE STORAGE</b>					S4.4, S13.4, S15.12, S31.5
STORAGE TANK, PRESSURIZED, 81-V-5, BUTANE, 199920 GALS; DIAMETER: 37 FT 1 IN A/N: 190780	D284				
STORAGE TANK, PRESSURIZED, 81-V-6, BUTANE, 168000 GALS; DIAMETER: 36 FT 3 IN A/N: 190779	D285				
STORAGE TANK, PRESSURIZED, 81-V-7, BUTANE, 199920 GALS; DIAMETER: 37 FT 1 IN A/N: 190778	D286				
STORAGE TANK, PRESSURIZED, 81-V-8, BUTANE, 199920 GALS; DIAMETER: 37 FT 1 IN A/N: 190782	D287				
STORAGE TANK, PRESSURIZED, 81-V-3, BUTANE, SPHERICAL, 199920 GALS; DIAMETER: 37 FT 1 IN A/N: 190781	D978				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 190781	D1442				H23.17
<b>System 6: PRESSURE TANKS, OTHER</b>					S15.12

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



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Pages 14: STORAGE TANKS</b>					P13.1
STORAGE TANK, PRESSURIZED, 33-V-1, AQUEOUS AMMONIA, 9000 GALS; DIAMETER: 9 FT ; HEIGHT: 19 FT A/N: 281825	D449				E144.1
<b>System 7: INTERNAL FLOATING ROOF TANKS</b>					S13.5, S31.6
STORAGE TANK, INTERNAL FLOATING ROOF, 82-TK-11, 150000 BBL; DIAMETER: 150 FT ; HEIGHT: 58 FT WITH A/N: 411695  FLOATING ROOF, PONTOON, WELDED SHELL  PRIMARY SEAL, CATEGORY A, MECHANICAL SHOE  SECONDARY SEAL, CATEGORY A, RIM MOUNTED FLEX-A-SEAL SINGLE WIPER  GUIDEPOLE, GASKETED COVER, WITH FLOAT, SLEEVE, WIPER, SLOTTED	D1460			HAP: (10) [40CFR 63 Subpart CC, #2, 5-25-2001]	B59.1, C1.32, C6.1, H23.11, K67.7
<b>System 9: DOMED EXTERNAL FLOATING ROOF TANKS</b>					S13.12

\* (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.



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 14: STORAGE TANKS</b>					P13.1
STORAGE TANK, DOMED EXTERNAL FLOATING ROOF, 94-TK-9013, WELDED SHELL, 30000 BBL; DIAMETER: 70 FT ; HEIGHT: 48 FT WITH A/N: 450311  DOME COVER, GEODESIC  FLOATING ROOF, PONTOON  PRIMARY SEAL, CATEGORY A, MECHANICAL SHOE  SECONDARY SEAL, CATEGORY A, RIM-MOUNTED DOUBLE WIPER  GUIDEPOLE, GASKETED COVER, WITH POLE WIPER, POLE SLEEVE, POLE FLOAT, AND POLE FLOAT WIPER, SLOTTED	D267			HAP: (10) [40CFR 63 Subpart CC, #3A, 5-25-2001]	B59.2, C1.7, H23.11

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



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 14 STORAGE TANKS</b>					P13.1
STORAGE TANK, DOMED EXTERNAL FLOATING ROOF, 82-TK-1, RAFFINATE, ALKYLATE, GASOLINE, MTBE, 100000 BBL; DIAMETER: 127 FT 6 IN; HEIGHT: 48 FT WITH A/N: 430942  DOME COVER, GEODESIC  FLOATING ROOF, PONTOON, WELDED SHELL  PRIMARY SEAL, CATEGORY A, METALLIC SHOE  SECONDARY SEAL, CATEGORY A, RIM MOUNTED, DOUBLE WIPER  GUIDEPOLE, GASKETED COVER, WITH FLOAT, SLEEVE, WIPER, SLOTTED	D268			HAP: (10) [40CFR 63 Subpart CC, #3A, 5-25-2001]	C1.12, H23.6

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



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 14: STORAGE TANKS</b>					P13.1
STORAGE TANK, DOMED EXTERNAL FLOATING ROOF, 82-TK-2, GASOLINE BLENDING PRODUCTS, GASOLINE, WELDED SHELL, 100000 BBL; DIAMETER: 127 FT 6 IN; HEIGHT: 48 FT WITH A/N: 450532  DOME COVER, GEODESIC  FLOATING ROOF, PONTOON  PRIMARY SEAL, MECHANICAL SHOE  SECONDARY SEAL, RIM MOUNTED, WIPER TYPE  GUIDEPOLE, GASKETED COVER, WITH POLE WIPER, POLE SLEEVE, POLE FLOAT, AND POLE FLOAT WIPER, SLOTTED	D269			HAP: (10) [40CFR 63 Subpart CC, #3A, 6-23-2003]	C1.12, H23.6, K67.6

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

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 14 STORAGE TANKS</b>					P13.1
STORAGE TANK, DOMED EXTERNAL FLOATING ROOF, 82-TK-3, GASOLINE, GASOLINE BLENDING PRODUCTS, WELDED SHELL, 100000 BBL, DIAMETER: 127 FT 6 IN; HEIGHT: 48 FT WITH A/N: 450310  DOME COVER, GEODESIC  FLOATING ROOF, PONTOON  PRIMARY SEAL, MECHANICAL SHOE  SECONDARY SEAL, RIM MOUNTED, WIPER TYPE  GUIDEPOLE, GASKETED COVER, WITH POLE WIPER, POLE SLEEVE, POLE FLOAT, AND POLE FLOAT WIPER, SLOTTED	D270			HAP: (10) [40CFR 63 Subpart CC, #3A, 5-25-2001]	CI.12, H23.6

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

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



**FACILITY PERMIT TO OPERATE  
ULTRAMAR INC (NSR USE ONLY)**

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 14: STORAGE TANKS</b>					P13.1
STORAGE TANK, DOMED EXTERNAL FLOATING ROOF, 82-TK-4, WELDED SHELL, 50000 BBL; DIAMETER: 91 FT ; HEIGHT: 48 FT WITH A/N: 450533  DOME COVER, GEODESIC  FLOATING ROOF, PONTOON  PRIMARY SEAL, MECHANICAL SHOE  SECONDARY SEAL, RIM MOUNTED, WIPER TYPE  GUIDEPOLE, GASKETED COVER, WITH POLE WIPER, POLE SLEEVE, POLE FLOAT, AND POLE FLOAT WIPER, SLOTTED	D271			HAP: (10) [40CFR 63 Subpart CC, #3A, 6-23-2003]	C1.43, H23.6, K67.6

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



**FACILITY PERMIT TO OPERATE  
ULTRAMAR INC (NSR USE ONLY)**

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process K6 STORAGE TANKS</b>					P13.1
STORAGE TANK, DOMED EXTERNAL FLOATING ROOF, 94-TK-900, WELDED SHELL, 55000 BBL; DIAMETER: 98 FT ; HEIGHT: 44 FT 8 IN WITH A/N: 450309  DOME COVER, GEODESIC  FLOATING ROOF, PONTOON  PRIMARY SEAL, CATEGORY A, MECHANICAL SHOE  SECONDARY SEAL, CATEGORY A, RIM MOUNTED, DOUBLE WIPER  GUIDEPOLE, GASKETED COVER, WITH POLE WIPER, POLE SLEEVE, POLE FLOAT, AND POLE FLOAT WIPER, SLOTTED	D275			HAP: (10) [40CFR 63 Subpart CC, #2, 5-25-2001]	H23.6, K67.6

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

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 14: STORAGE TANKS</b>					P13.1
STORAGE TANK, DOMED EXTERNAL FLOATING ROOF, 94-TK-903, WELDED SHELL, 35000 BBL; DIAMETER: 71 FT ; HEIGHT: 52 FT WITH A/N: 450534  DOME COVER, GEODESIC  FLOATING ROOF, PONTOON  PRIMARY SEAL, MECHANICAL SHOE  SECONDARY SEAL, RIM MOUNTED, WIPER TYPE  GUIDEPOLE, GASKETED COVER, WITH POLE WIPER, POLE SLEEVE, POLE FLOAT, AND POLE FLOAT WIPER, SLOTTED	D278			HAP: (10) [40CFR 63 Subpart CC, #2, 6-23-2003]	K67.6

- \* (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  
ULTRAMAR INC (NSR USE ONLY)**

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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
<b>Process 14 STORAGE TANKS</b>					P13.1
STORAGE TANK, DOMED EXTERNAL FLOATING ROOF, 82-TK-9, RAFFINATE, MTBE, ALKYLATE, GASOLINE, WELDED SHELL, 100000 BBL, DIAMETER: 130 FT 6 IN, HEIGHT: 48 FT WITH A/N: 450535  DOME COVER, GEODESIC  FLOATING ROOF, DOUBLE DECK  PRIMARY SEAL, CATEGORY A, MECHANICAL SHOE  SECONDARY SEAL, CATEGORY B OR BETTER, RIM MOUNTED, WIPER TYPE  GUIDEPOLE, GASKETED COVER, WITH POLE WIPER, POLE SLEEVE, POLE FLOAT, AND POLE FLOAT WIPER, SLOTTED	D448			HAP: (10) [40CFR 63 Subpart CC, #3A, 6-23-2003]	C1.29, C1.30, H23.11, K67.6

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



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 14: STORAGE TANKS</b>					P13.1
STORAGE TANK, DOMED EXTERNAL FLOATING ROOF, 94-TK-9030, GASOLINE, CRUDE, GAS OIL, NAPHTHA, WELDED SHELL, 150000 BBL; DIAMETER: 140 FT ; HEIGHT: 56 FT WITH A/N: 450536  DOME COVER, GEODESIC  FLOATING ROOF, PONTOON  PRIMARY SEAL, MECHANICAL SHOE  SECONDARY SEAL, RIM MOUNTED, WIPER TYPE  GUIDEPOLE, GASKETED COVER, WITH POLE WIPER, POLE SLEEVE, POLE FLOAT, AND POLE FLOAT WIPER, SLOTTED	D864			HAP: (10) [40CFR 63 Subpart CC, #3A, 6-23-2003]	C1.8, H23.11, K67.6

\* (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
<b>Process 14: STORAGE TANKS</b>					P13.1
STORAGE TANK, DOMED EXTERNAL FLOATING ROOF, 94-TK-9031, GASOLINE, CRUDE, GAS OIL, NAPHTHA, WELDED SHELL, 150000 BBL; DIAMETER: 140 FT ; HEIGHT: 56 FT WITH A/N: 450538  DOME COVER, GEODESIC  FLOATING ROOF, PONTOON  PRIMARY SEAL, MECHANICAL SHOE  SECONDARY SEAL, RIM MOUNTED, WIPER TYPE  GUIDEPOLE, GASKETED COVER, WITH POLE WIPER, POLE SLEEVE, POLE FLOAT, AND POLE FLOAT WIPER, SLOTTED	D868			HAP: (10) [40CFR 63 Subpart CC, #3A, 6-23-2003]	C1.8, H23.11, K67.6
<b>Process 15: STEAM GENERATION</b>					
<b>System 1: BOLLER</b>					

\* (1) (1A) (1B) Denotes RECLAIM emission factor (2) (2A) (2B) Denotes RECLAIM emission rate  
(3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit  
(5) (5A) (5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit  
(7) Denotes NSR applicability limit (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
(9) See App B for Emission Limits (10) See section J for NESHAP/MACT requirements

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 15: STEAM GENERATION</b>					
BOILER, 86-B-9000, REFINERY GAS, WITH LOW NOX BURNER, 39 MMBTU/HR WITH A/N: 329705  BURNER, REFINERY GAS, ZURN, MODEL MJ-21, ONE BURNER, 39 MMBTU/HR	D377		NOX: LARGE SOURCE**; SOX: MAJOR SOURCE**	CO: 400 PPMV (5) [RULE 1146, 11-17-2000; RULE 1146, 9-5-2008]; CO: 2000 PPMV (5A) [RULE 407, 4-2-1982]; NOX: 125 PPMV (3) [RULE 2012, 5-6-2005]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	B61.2, D28.11, D90.3, H23.5
<b>System 2: BOILER</b>					
BOILER, 86-B-9001, REFINERY GAS, 127.8 MMBTU/HR A/N: 177991	D378	C379	NOX: MAJOR SOURCE**; SOX: MAJOR SOURCE**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; PM: 0.01 GRAINS/SCF (5B) [RULE 476, 10-8-1976]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; PM: 11 LBS/HR (5A) [RULE 476, 10-8-1976]	A327.1, B61.2, D90.3, D328.1, H23.5
SELECTIVE CATALYTIC REDUCTION, UOP/SHELL, MODEL #SFGT-N, WITH 200 HP BLOWER A/N: 177992	C379	D378		NH3: 20 PPMV (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]	D28.13
<b>Process 17: AIR POLLUTION CONTROL</b>					
<b>System 1: VAPOR RECOVERY UNIT</b>					
KNOCK OUT POT, SEPARATOR, 93-V-9004, 1ST STAGE KNOCKOUT, LENGTH: 14 FT ; DIAMETER: 6 FT A/N:	D398				S4.8, S15.6, S18.2

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

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 17: AIR POLLUTION CONTROL</b>					
COMPRESSOR, VAPOR RECOVERY STANDBY, 93-C-400C, 2.366 MMSCFD, 400 HP, 1 STAGE A/N:	D548				
COMPRESSOR, 93-C-9001A/B, VAPOR RECOVERY, 233,000 SCFH, 1250 HP, 2-STAGE A/N:	D549				
VESSEL, 93-V-9007, COMPRESSOR DISCHARGE KNOCKOUT, LENGTH: 10 FT ; DIAMETER: 3 FT 6 IN A/N:	D396				
EJECTOR, 93-EJ-9001, COMPRESSOR PACKING VENT A/N:	D1299				H23.1
FUGITIVE EMISSIONS, MISCELLANEOUS A/N:	D872				H23.17
<b>System 2: LPG EMERGENCY FLARE UNIT</b>					S18.9
KNOCK OUT POT, FLARE, 82-V-16, HEIGHT: 16 FT ; DIAMETER: 8 FT A/N: 182240	D399				
FLARE, 82-FE-1, JOHN ZINK, MODEL EEF-LH-915-23, LPG EMERGENCY, AIR ASSISTED, HEIGHT: 76 FT ; DIAMETER 8 FT A/N: 182240	C400	D288 D289 D290 D291 D292 D293 D294		H2S: 160 PPMV (8) [40CFR 60 Subpart J, 6-24-2008]	D12.8, D323.2, E193.2, H23.5, H23.30
<b>System 3: REFINERY RELIEF AND PHASE 0 FLARE UNIT</b>					S18.8

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

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 17: AIR POLLUTION CONTROL</b>					
FLARE, ELEVATED WITH STEAM INJECTION, 89-FT-900, PHASE 0, CALLIDUS, MODEL BTZ-US-24, NATURAL GAS, WITH AIR INGRESS PREVENTION DEVICE, MODEL BTZ-VS-24, 18 STEAM JETS, DIAMETER: 2 FT A/N: 420477	C401				C1.13, D12.8, D323.2, E193.2, H23.30, I1.1
DRUM, 89-V-9006, PHASE 0 FLARE WATER SEAL, LENGTH: 12 FT ; DIAMETER: 7 FT A/N: 420477	D405				
DRUM, LIQUID BLOWDOWN, 89-V-9004, LENGTH: 16 FT ; DIAMETER: 8 FT A/N: 420477	D407				
DRUM, LIQUID BLOWDOWN, 75-V-3, LENGTH: 20 FT ; DIAMETER: 10 FT A/N: 420477	D408	D42			
<b>System 4: ACID GAS FLARE UNIT</b>					
KNOCK OUT POT, FLARE, 40-V-06, LENGTH: 8 FT ; DIAMETER: 3 FT 8 IN A/N: 178004	D409				
<b>System 10: GASOLINE TANK TRUCK LOADING VAPOR RECOVERY SYSTEM</b>					
CARBON ADSORBER, CARBON ADSORPTION, 53-ME-12-V-1A&B, WITH PRV VENTED TO ATMOSPHERE, HEIGHT: 6 FT 6 IN; DIAMETER: 5 FT 6 IN A/N: 286678	C1029	D198			D12.3, D232.1

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

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Notes: 17 AIR POLLUTION CONTROL</b>					
VESSEL, SEPARATOR, 53-ME-12-V-2, HEIGHT: 8 FT ; DIAMETER: 2 FT A/N: 286678	D1030				
ABSORBER, 53-ME-12-V-3, HEIGHT: 17 FT ; DIAMETER: 2 FT 2 IN A/N: 286678	D1031				
PUMP, 53-ME-12-P-3, VACUUM, WITH PACKED SEAL AND 40 HP MOTOR A/N: 286678	D1035				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 286678	D1365			HAP: (10) [40CFR 63 Subpart CC, #5A, 5-25-2001]	H23.17
<b>System II: VAPOR RECOVERY SYSTEM SERVING WASTEWATER SYSTEM</b>					S18.1
POT, 95-V-9001, VAPOR RECOVERY DRAIN, HEIGHT: 4 FT ; DIAMETER: 2 FT A/N: 331526	D1237				
EJECTOR, 95-EJ-1A, STEAM, SIZE: 3" A/N: 331526	D1235	D1 D201 D209 D212 D213 D214 D404 D881 D882 D1000 D1240 D1241			
EJECTOR, 95-EJ-1B, STEAM, SIZE: 3" A/N: 331526	D1236	D201 D219 D220 D221 D252 D404			
POT, 95-V-9002, VAPOR RECOVERY DRAIN, HEIGHT: 5 FT ; DIAMETER: 2 FT A/N: 331526	D1238				
EJECTOR, 89-EJ-1, STEAM, SIZE: 3" A/N: 331526	D1239	D222 D223 D224 D404			

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

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 12: AIR POLLUTION CONTROL</b>					
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 331526	D1366			HAP: (10) [40CFR 63 Subpart CC, #5A, 5-25-2001]	H23.17
<b>System 13: REFINERY RELIEF AND PHASE II FLARE UNIT</b>					S18.8
FLARE, ELEVATED WITH STEAM INJECTION, PHASE II, 75-FT-1, CALLIDUS, MODEL BTZ-US-30,, NATURAL GAS, WITH AIR INGRESS PREVENTION DEVICE, MODEL BTZ-VS-30, 18 STEAM JETS., DIAMETER: 2 FT 6 IN A/N: 420477	C403			H2S: 160 PPMV (8) [40CFR 60 Subpart J, 6-24-2008]	C1.13, D12.8, D323.2, E193.2, H23.5, H23.30, 11.1
DRUM, 75-V-1, PHASE II FLARE WATER SEAL, LENGTH: 30 FT ; DIAMETER: 12 FT A/N: 420477	D406				
<b>System 14: REFINERY RELIEF AND PHASE I FLARE UNIT</b>					S18.8
FLARE, ELEVATED WITH STEAM INJECTION, PHASE I, 89-FT-9000, CALLIDUS, MODEL BTZ-US-30,, NATURAL GAS, WITH AIR INGRESS PREVENTION DEVICE, MODEL BTZ-VS-30, 18 STEAM JETS., DIAMETER: 2 FT 6 IN A/N: 420477	C402			H2S: 160 PPMV (8) [40CFR 60 Subpart J, 6-24-2008]	C1.13, D12.8, D323.2, E193.2, H23.5, H23.30, 11.1
DRUM, 89-V-9002, PHASE I FLARE WATER SEAL, LENGTH: 32 FT ; DIAMETER: 11 FT A/N: 420477	D404	D1235 D1236 D1239			
<b>System 46: AMINE REGENERATION UNIT 46</b>					S13.2, S15.4, S15.12

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

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## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 17: AIR POLLUTION CONTROL</b>					
REGENERATOR, 46-V-4008, AMINE, HEIGHT: 9 FT 10 IN; DIAMETER: 2 FT 6 IN A/N:	D650				E336.3
TANK, SURGE, 46-V-4010, AMINE, HEIGHT: 28 FT ; DIAMETER: 6 FT A/N:	D651				
COLUMN, 46-V-4007, AMINE REGENERATOR, HEIGHT: 63 FT ; DIAMETER: 4 FT A/N:	D1255				
VESSEL, 46-V-4011, CONDENSATE POT, LENGTH: 6 FT ; DIAMETER: 2 FT A/N:	D1256				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N:	D1368				H23.17
<b>System 50: PHASE II AMINE TREATING UNIT 50</b>					
ABSORBER, 50-V-1, AMINE, HEIGHT: 65 FT ; DIAMETER: 3 FT A/N: 178087	D151				
SCRUBBER, 50-V-6, HEIGHT: 27 FT ; DIAMETER: 3 FT A/N: 178087	D563				
DRUM, 50-V-2, FUEL GAS KNOCKOUT, HEIGHT: 9 FT ; DIAMETER 3 FT A/N: 178087	D1302				
SUMP, 50-SMP-1, AMINE, WIDTH: 8 FT ; DEPTH: 12 FT ; LENGTH: 8 FT A/N: 178087	D1304				

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

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 17: AIR POLLUTION CONTROL</b>					
FUGITIVE EMISSIONS, MISCELLANEOUS A/N:	D1369				H23.17
<b>System 88: FUEL GAS MIXING</b>					S15.12
KNOCK OUT POT, 88-V-903, FUEL GAS, HEIGHT: 6 FT ; DIAMETER: 3 FT A/N: 423247	D1406				
SCRUBBER, 88-V-9003, CAUSTIC, HEIGHT: 8 FT , DIAMETER: 4 FT A/N: 423247	D1407				
DRUM, 88-V-9015, FUEL GAS MIXING, HEIGHT: 10 FT ; DIAMETER: 7 FT A/N: 423247	D1408				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 423247	D1418				H23.17
<b>System 97: AMINE TREATING UNIT 97</b>					S13.2, S15.5, S15.12, S18.4
REGENERATOR, AMINE, 97-V-406, HEIGHT: 60 FT ; DIAMETER: 2 FT 6 IN A/N: 256881	D170				
KNOCK OUT POT, 97-V-414, AMINE STRIPPER, HEIGHT: 5 FT 6 IN; DIAMETER: 2 FT A/N: 256881	D1296				
SCRUBBER, 97-V-4, FLARE GAS, HEIGHT: 27 FT ; DIAMETER: 4 FT 1 IN A/N: 256881	D1297				

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

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## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 17: AIR POLLUTION CONTROL</b>					
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 256881	D1370				H23.17
<b>Process 19: PETROLEUM MISCELLANEOUS</b>					
<b>System 1: FUEL DISPENSING STATION</b>					
FUEL DISPENSING NOZZLE, BALANCE TYPE PHASE II CONTROL, TWO, GASOLINE A/N:	D983			ROG: (9) [RULE 461, Balance Conditions, 1-9-2004; RULE 461, Universal Conditions, 3-7-2008]	D330.1
FUEL DISPENSING NOZZLE, NO PHASE II CONTROL, TWO, DIESEL FUEL A/N:	D984				
STORAGE TANK, UNDERGROUND, DUAL COMPARTMENT, DIESEL, 8000 GALS, GASOLINE, METHANOL COMPATIBLE, WITH PHASE I VAPOR RECOVERY SYSTEM PHIL-TITE (VR-101-D), 12000 GALS A/N:	D990			ROG: (9) [RULE 461, Phase I EVR Conditions, 1-9-2004; RULE 461, Universal Conditions, 3-7-2008]	C1.36, C1.37
<b>System 2: EMERGENCY EQUIPMENT</b>					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, CATERPILLAR, MODEL 3512B-DITA, WITH AFTERCOOLER, TURBOCHARGER, 1807 BHP A/N: 375761	D1305		NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	NOX: 6.9 GRAM/BHP-HR DIESEL (4) [RULE 2005, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM10: 0.38 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1) -BACT, 12-6-2002]	B61.3, C1.17, D12.2, D135.1, H23.26, K67.2

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

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## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 19: PETROLEUM MISCELLANEOUS</b>					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, LEAN BURN, DIESEL FUEL, CUMMINS, MODEL QSX15-G9, WITH AFTERCOOLER, TURBOCHARGER, 755 BHP A/N: 487438	D1639		NOX: PROCESS UNIT** SOX: PROCESS UNIT**	CO: 2.6 GRAM/BHP-HR (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; NOX: 216 LBS/1000 GAL DIESEL (1) [RULE 2012, 5-6-2005]; NOX + ROG: 4.8 GRAM/BHP-HR (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 2005, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.15 GRAM/BHP-HR (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; SOX: 6.24 LBS/1000 GAL DIESEL (1) [RULE 2011, 5-6-2005]	B61.3, C1.41, E193.7, H23.31, I296.1
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, MOBILE, DIESEL FUEL, 250 HP A/N: 289099	D992		NOX: PROCESS UNIT** SOX: PROCESS UNIT**	NOX: 10.825 LBS/HR (2) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; SOX: 0.72 LBS/HR (2) [RULE 2011, 5-6-2005]	B61.3, C1.17, D12.2, H23.26, K67.2
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, 91-P-9008A, DIESEL FUEL, 380 HP A/N: 289097	D993		NOX: PROCESS UNIT** SOX: PROCESS UNIT**	NOX: 16.45 LBS/HR (2) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; SOX: 1.095 LBS/HR (2) [RULE 2011, 5-6-2005]	B61.3, C1.17, D12.2, H23.26, K67.2
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, 91-P-9008B, DIESEL FUEL, 380 HP A/N: 289096	D994		NOX: PROCESS UNIT** SOX: PROCESS UNIT**	NOX: 16.45 LBS/HR (2) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; SOX: 1.095 LBS/HR (2) [RULE 2011, 5-6-2005]	B61.3, C1.17, D12.2, H23.26, K67.2

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

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## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 19: PETROLEUM MISCELLANEOUS</b>					
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, 91-P-915, DIESEL FUEL, 180 HP A/N: 289094	D995		NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	NOX: 7.795 LBS/HR (2) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; SOX: 0.52 LBS/HR (2) [RULE 2011, 5-6-2005]	B61.3, C1.17, D12.2, H23.26, K67.2
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, 77-P-001A, DIESEL FUEL, 510 HP A/N: 289092	D996		NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	NOX: 22.08 LBS/HR (2) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; SOX: 1.47 LBS/HR (2) [RULE 2011, 5-6-2005]	B61.3, C1.17, D12.2, H23.26, K67.2
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, 77-P-001B, DIESEL FUEL, 510 HP A/N: 289090	D997		NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	NOX: 22.08 LBS/HR (2) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; SOX: 1.47 LBS/HR (2) [RULE 2011, 5-6-2005]	B61.3, C1.17, D12.2, H23.26, K67.2
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, 91-P-916A, DIESEL FUEL WITH TURBOCHARGER, 481 BHP A/N: 305900	D1021		NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	NOX: 14.911 LBS/HR (2) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; SOX: 0.195 LBS/HR (2) [RULE 2011, 5-6-2005]	B61.3, C1.17, D12.2, D135.1, H23.26, K67.2
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, 91-P-916B, DIESEL FUEL WITH TURBOCHARGER, 481 BHP A/N: 305901	D1022		NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	NOX: 14.911 LBS/HR (2) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; SOX: 0.195 LBS/HR (2) [RULE 2011, 5-6-2005]	B61.3, C1.17, D12.2, D135.1, H23.26, K67.2
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, DETROIT DIESEL, WITH AFTERCOOLER, TURBOCHARGER, 474 BHP A/N: 307737	D1259		NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	NOX: 9.08 LBS/HR (2) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; SOX: 0.191 LBS/HR (2) [RULE 2011, 5-6-2005]	B61.3, C1.17, D12.2, D135.1, H23.26, K67.2
<b>System 3: AMMONIA VAPORIZATION</b>					

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



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 19: PETRO-HEAVY MISCELLANEOUS</b>					
VESSEL, VAPORIZER, 88-E-1A/B A/N: 289088	D1009				K67.5
STORAGE TANK, 88-V-9004, ANHYDROUS AMMONIA, 10000 GALS; DIAMETER: 8 FT ; LENGTH: 22 FT 6 IN A/N: 289088	D998				
<b>System 4: ABRASIVE BLASTING EQUIPMENT</b>					
ABRASIVE BLASTING, CABINET, MEDIA BLAST AND ABRASIVES, MODEL N200 SIZE 6060, WITH INTEGRAL DUST COLLECTOR, ALUMINUM OXIDE, WITH TWO FILTER CARTRIDGE (440 SQ FT TOTAL FILTER AREA), WIDTH: 5 FT ; HEIGHT: 4 FT ; LENGTH: 5 FT WITH A/N: 420480  ABRASIVE BLASTING NOZZLE, ONE NOZZLE, DIAMETER: .38 IN; 80 PSIA  BLOWER, 1160 CU.FT./MIN; 2 HP	D1477			PM: (9) [RULE 1140, 2-1-1980; RULE 1140, 8-2-1985, RULE 404, 2-7-1986; RULE 405, 2-7-1986]	B27.1, C1.34, C6.2, C6.3, D322.2, D381.1, E102.2, H23.23, K67.8
<b>Process 21: R-219 EXEMPT EQUIPMENT SUBJECT TO SOURCE-SPECIFIC RULES</b>					
RULE 219 EXEMPT EQUIPMENT, AIR CONDITIONING UNITS	E1386				H23.8
RULE 219 EXEMPT EQUIPMENT, CLEANING EQUIPMENT	E1387			VOC: (9) [RULE 1171, 11-7-2003; RULE 1171, 2-1-2008]	H23.21
RULE 219 EXEMPT EQUIPMENT, COOLING TOWERS	E1388				H23.9

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

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Procs. 25: R-219 EXEMPT EQUIPMENT SUBJECT TO SOURCE-SPECIFIC RULES</b>					
RULE 219 EXEMPT EQUIPMENT, REFRIGERANT RECOVERY AND/OR RECYCLING UNITS,	E1389				H23.20
RULE 219 EXEMPT EQUIPMENT, ABRASIVE BLASTING EQUIPMENT, GLOVE-BOX, <= 53 FT3, WITH DUST FILTER	E1391			<b>PM: (9) [RULE 1140, 2-1-1980; RULE 1140, 8-2-1985; RULE 404, 2-7-1986; RULE 405, 2-7-1986]</b>	D322.1, D381.1, E102.1, K67.8
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS	E1394			<b>VOC: (9) [RULE 1113, 11-8-1996; RULE 1113, 7-13-2007; RULE 1171, 11-7-2003; RULE 1171, 2-1-2008]</b>	K67.4
RULE 219 EXEMPT EQUIPMENT, FIRE EXTINGUISHING EQUIPMENT USING HALONS	E1396				H23.10

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

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



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**FACILITY PERMIT TO OPERATE  
ULTRAMAR INC (NSR USE ONLY)**

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**SECTION D: 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 ULTRAMAR INC (NSR USE ONLY)

### SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D1	1	1	1
D3	2	1	2
D4	2	1	3
D6	3	1	4
D7	3	1	5
D8	4	1	6
D9	4	1	6
D10	5	2	1
D11	5	2	1
D12	6	2	2
C13	6	2	2
D14	6	2	3
D15	6	2	3
D16	6	2	3
D17	6	2	3
D18	7	2	3
D21	7	2	5
D22	7	2	4
D23	7	2	6
D24	8	2	6
D25	8	2	6
D26	8	2	6
D27	8	2	6
D28	8	2	6
D29	8	2	6
D30	8	2	6
D31	9	2	6
D35	9	3	1
D36	10	3	1
D37	10	3	1
D38	11	3	2
C39	11	3	3
D40	11	3	4
D41	11	3	4
D42	11	3	4



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

### SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D43	11	4	1
D44	12	4	1
D45	13	4	1
D46	13	4	1
D47	13	4	1
D48	13	4	1
D49	13	4	1
D50	13	4	1
D51	12	4	1
D52	14	4	2
D53	14	4	2
D54	15	4	3
D55	15	4	3
D56	15	4	3
D57	15	4	3
D58	15	4	3
D59	16	4	4
D60	16	4	4
D61	21	4	7
D62	23	5	1
D65	24	5	1
D66	24	5	1
D68	24	5	1
D69	24	5	1
D70	24	5	1
D71	24	5	1
D72	24	5	1
D73	27	5	2
D74	27	5	2
D75	28	7	1
D76	28	7	1
D77	28	7	1
D78	28	7	1
D79	28	7	1
D80	28	7	1



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

### SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D81	29	7	1
D82	29	7	1
D83	29	7	1
D84	29	7	1
D85	29	7	1
D86	29	7	1
D87	29	7	1
D88	29	7	1
D89	31	7	1
D90	31	7	1
D91	30	7	1
D95	30	7	1
D96	30	7	1
D97	30	7	1
D98	34	7	5
D99	32	7	3
D100	32	7	3
D101	32	7	3
D102	32	7	3
D103	32	7	3
D104	32	7	3
D105	33	7	3
D106	33	7	3
D107	33	7	3
D108	33	7	3
D111	33	7	3
D112	33	7	3
D113	33	7	3
D114	34	8	1
D116	35	8	2
D117	35	8	2
D118	35	8	2
D119	36	8	2
D120	36	8	2
D121	37	8	3



**FACILITY PERMIT TO OPERATE  
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**SECTION D: DEVICE ID INDEX**

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D122	37	8	3
D123	37	8	4
D124	37	8	4
D125	38	8	4
D126	38	8	4
D127	38	8	4
D128	38	8	4
D129	38	8	5
D130	39	8	5
D131	39	8	5
D133	39	9	1
D134	39	9	1
D135	40	9	1
D136	40	9	1
D137	40	9	1
D138	40	9	1
D139	40	9	1
D140	40	9	1
D141	53	11	39
D142	52	11	38
D143	53	11	39
D146	54	11	39
D148	53	11	39
D151	93	17	50
D152	41	10	2
D153	41	10	2
D154	41	10	2
D155	42	10	3
D156	42	10	3
D157	42	10	3
D158	42	10	3
D159	43	10	4
D160	44	10	5
D161	44	10	5
D162	44	10	6



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

### SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D163	44	10	6
D164	44	10	6
D165	45	10	7
D166	45	10	7
D167	45	10	7
D168	45	10	7
D169	45	10	7
D170	94	17	97
D179	51	11	6
D182	51	11	6
D185	55	12	1
D186	55	12	2
D187	55	12	2
D190	55	12	3
D191	56	12	3
D192	56	12	3
D195	56	12	3
D196	56	12	4
D197	56	12	4
D198	57	12	4
D199	57	12	4
D200	57	12	5
D201	57	13	1
D209	58	13	1
D210	58	13	1
D212	58	13	1
D214	58	13	1
D215	58	13	1
D216	58	13	1
D217	60	14	1
D218	60	14	1
D219	60	14	1
D220	60	14	1
D221	60	14	1
D222	61	14	1



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

### SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D223	61	14	1
D224	61	14	1
D234	61	14	1
D245	61	14	1
D251	62	14	1
D252	62	14	1
D253	59	13	2
D255	64	14	2
D256	64	14	2
D257	65	14	2
D258	66	14	2
D259	66	14	2
D260	67	14	2
D261	67	14	2
D262	68	14	2
D263	68	14	2
D264	69	14	2
D265	69	14	2
D266	70	14	2
D267	78	14	9
D268	79	14	9
D269	80	14	9
D270	81	14	9
D271	82	14	9
D272	70	14	2
D273	71	14	2
D274	71	14	2
D275	83	14	9
D276	72	14	2
D277	72	14	2
D278	84	14	9
D279	62	14	1
D283	62	14	1
D284	76	14	5
D285	76	14	5



**FACILITY PERMIT TO OPERATE  
ULTRAMAR INC (NSR USE ONLY)**

**SECTION D: DEVICE ID INDEX**

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D286	76	14	5
D287	76	14	5
D288	72	14	3
D289	73	14	3
D290	73	14	3
D291	73	14	3
D292	73	14	3
D293	73	14	3
D294	74	14	3
D295	74	14	3
D296	74	14	3
D307	74	14	4
C308	75	14	4
D309	75	14	4
C310	75	14	4
D377	88	15	1
D378	88	15	2
C379	88	15	2
D396	89	17	1
D398	88	17	1
D399	89	17	2
C400	89	17	2
C401	90	17	3
C402	92	17	14
C403	92	17	13
D404	92	17	14
D405	90	17	3
D406	92	17	13
D407	90	17	3
D408	90	17	3
D409	90	17	4
D423	21	4	7
D424	21	4	7
D425	21	4	7
D426	21	4	7



AQMD

## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

### SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D427	21	4	7
D428	21	4	7
D429	23	4	8
D430	23	4	8
C431	23	4	8
D444	48	10	12
D445	48	10	12
D448	85	14	9
D449	77	14	6
D547	57	12	4
D548	89	17	1
D549	89	17	1
D550	7	2	5
D553	12	4	1
D554	24	5	1
D555	24	5	1
D556	24	5	1
D557	33	7	3
D558	39	8	5
D560	53	11	39
D561	53	11	39
D563	93	17	50
D593	22	4	7
D594	22	4	7
D595	22	4	7
D596	22	4	7
D598	22	4	7
C612	75	14	4
C613	75	14	4
D647	48	10	12
D649	48	10	12
D650	52	11	38
D650	93	17	46
D651	52	11	38
D651	93	17	46



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### SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No	Process	System
D674	51	11	38
D674	52	11	39
D675	52	11	38
D675	53	11	39
D676	53	11	39
D678	53	11	39
D679	53	11	39
D682	49	10	13
D687	16	4	5
D688	16	4	5
D689	17	4	5
D690	17	4	5
D691	17	4	5
D692	17	4	5
D693	17	4	5
D694	17	4	5
D695	17	4	5
D696	17	4	5
D697	18	4	5
D698	18	4	5
D699	18	4	5
D700	18	4	5
D701	18	4	5
D702	18	4	5
D703	18	4	5
D704	18	4	5
D705	19	4	5
D706	19	4	5
D707	19	4	5
D708	19	4	5
D762	19	4	5
D764	20	4	5
D766	20	4	5
D767	20	4	5
D768	20	4	6



**FACILITY PERMIT TO OPERATE  
ULTRAMAR INC (NSR USE ONLY)**

**SECTION D: DEVICE ID INDEX**

Device Index For Section D			
Device ID	Section D Page No.	Process	System
C770	20	4	6
D774	41	10	1
D779	41	10	1
D782	46	10	10
D785	46	10	10
D786	46	10	10
D787	46	10	10
D788	34	7	3
D789	34	7	3
D812	35	8	1
D823	36	8	2
D835	47	10	11
D837	47	10	11
D839	47	10	11
D840	47	10	11
D846	47	10	11
D847	47	10	11
D849	51	11	7
D850	51	11	7
D863	47	10	11
D864	86	14	9
D868	87	14	9
D872	89	17	1
D881	58	13	1
D882	59	13	1
D883	1	1	1
D884	1	1	1
D885	1	1	1
D886	1	1	1
D887	1	1	1
D888	2	1	3
D889	2	1	3
D890	2	1	3
D891	2	1	3
D892	3	1	3



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

### SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D894	3	1	5
D900	3	1	5
D901	3	1	5
D902	4	1	5
D907	4	1	5
D908	5	2	1
D909	5	2	1
D910	5	2	1
D911	5	2	1
D918	12	4	1
D919	12	4	1
D920	13	4	1
D921	13	4	1
D922	15	4	3
D924	15	4	3
D925	25	5	1
D926	25	5	1
D927	25	5	1
D928	25	5	1
D930	25	5	1
D931	25	5	1
D932	25	5	1
D933	25	5	1
D934	25	5	1
D935	26	5	1
D936	26	5	1
D937	26	5	1
D938	26	5	1
D939	26	5	1
D940	26	5	1
D941	26	5	1
D942	26	5	1
D943	26	5	1
D944	26	5	1
D945	27	5	1



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

### SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D946	27	5	1
D947	28	7	1
D948	28	7	1
D949	31	7	1
D950	31	7	1
D951	31	7	1
D952	31	7	1
D953	31	7	1
D954	31	7	1
D955	35	8	1
D956	35	8	1
D957	35	8	1
D958	36	8	2
D959	36	8	2
D960	36	8	2
D961	36	8	2
D963	36	8	2
D964	38	8	4
D965	37	8	4
D966	38	8	4
D967	40	9	1
D969	54	11	39
D970	54	11	39
D971	42	10	2
D972	42	10	3
D973	45	10	7
D974	62	14	1
D975	63	14	1
D976	43	10	4
D977	45	10	7
D978	76	14	5
D979	63	14	1
D980	63	14	1
D981	63	14	1
D982	63	14	1



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**SECTION D: DEVICE ID INDEX**

<b>Device Index For Section D</b>			
<b>Device ID</b>	<b>Section D Page No.</b>	<b>Process</b>	<b>System</b>
D983	95	19	1
D984	95	19	1
D985	42	10	3
D986	42	10	3
D987	43	10	3
D988	43	10	3
D989	43	10	3
D990	95	19	1
D992	96	19	2
D993	96	19	2
D994	96	19	2
D995	97	19	2
D996	97	19	2
D997	97	19	2
D998	98	19	3
D999	59	13	1
D1000	59	13	1
D1001	59	13	1
D1002	59	13	1
D1008	30	7	1
D1009	98	19	3
D1010	30	7	1
D1011	30	7	1
D1021	97	19	2
D1022	97	19	2
D1023	10	3	1
D1024	10	3	1
C1029	90	17	10
D1030	91	17	10
D1031	91	17	10
D1035	91	17	10
D1137	30	7	1
D1138	31	7	1
C1207	60	13	2
D1210	47	10	11



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### SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D1211	47	10	11
D1231	9	2	7
D1232	9	2	7
D1233	9	2	7
D1235	91	17	11
D1236	91	17	11
D1237	91	17	11
D1238	91	17	11
D1239	91	17	11
D1247	10	3	1
D1248	14	4	1
D1249	10	3	1
D1251	48	10	12
D1252	48	10	12
D1253	48	10	12
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**FACILITY PERMIT TO OPERATE  
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**SECTION D: DEVICE ID INDEX**

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D1312	3	1	3
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D1321	10	3	1
D1323	14	4	1
D1325	15	4	3
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D1334	34	7	3
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**SECTION D: DEVICE ID INDEX**

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D1369	94	17	50
D1370	95	17	97
D1371	41	10	1
D1381	12	4	1
D1382	12	4	1
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D1384	14	4	1
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E1386	98	21	0
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**SECTION D: DEVICE ID INDEX**

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D1460	77	14	7
D1464	21	4	7
D1465	22	4	7
D1466	22	4	7
D1467	22	4	7
D1468	48	10	11
D1469	20	4	5
D1470	22	4	7
D1471	41	10	1
D1472	46	10	10
D1477	98	19	4
D1623	55	12	1
D1624	55	12	2
D1625	56	12	3
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## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

#### FACILITY CONDITIONS

F8.1 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 Subsequent Environmental Impact Report dated 08/30/2002 for this facility.

[CA PRC CEQA, 11-23-1970]

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]

F10.1 Material(s) that contain the following compound(s) shall not be used in this facility;



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

Total Reduced Sulfur

H<sub>2</sub>S

Hydrogen Fluoride

This condition shall not apply if the operator demonstrate to the satisfaction of the Executive Officer that the facility is in compliance with the operational air quality mitigation measures stipulated in the Reformulated Fuels Project EIR as follows:

- a. Implementation of an inspection and maintenance program for all odor sources.
- b. Installation and inspection of a deluge system in the alkylation unit. The deluge system shall be inspected quarterly and flow tested semi-annually.
- c. Installation and inspection of elevated monitors with water spray system covering all area of the alkylation unit. The system shall be inspected weekly and flow tested monthly.
- d. Conduct safety review for the GOH unit, revision and implementation of the Risk Management and Prevention Plan (RMPP) for hydrogen sulfide.
- e. Conduct safety review for the Sulfur Recovery Unit, revision and implementation for the RMPP for hydrogen sulfide.

[CA PRC CEQA, 11-23-1970]

- F14.1 The operator shall not purchase any diesel fuel , for stationary source application as defined in Rule 431.2, containing sulfur compounds in excess of 15 ppm by weight as supplied by the supplier.

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



## **FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)**

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

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

**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 ULTRAMAR INC (NSR USE ONLY)

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

**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.



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

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

- F34.2 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):

California Code of Regulations, Title 13, Division 3, Chapter 5

40CFR79

40CFR80

**[40CFR 79, 7-1-1999; 40CFR 80, 7-1-1999; CCR Title 13, 9-24-1999]**

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

40 CFR 60 Subpart A

40 CFR 61 Subpart A

40 CFR 63 Subpart A

40CFR63, Subpart GGGGG

**[40CFR 60 Subpart A, 5-16-2007; 40CFR 61 Subpart A, 5-16-2007; 40CFR 63 Subpart A, 5-16-2007; 40CFR 63 Subpart GGGGG, 11-29-2006]**

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



**FACILITY PERMIT TO OPERATE  
ULTRAMAR INC (NSR USE ONLY)**

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

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

CONSENT DECREE Civil No. SA-05-CA-0569. The facility shall send the District a copy of the semiannual update report sent to the EPA of the specific requirement of emission standards and limitations from the Consent Decree. This report shall also identify any anticipated future requirements known as of the date of the report and dates of compliance for the requirements.

[ CONSENT DECREE VALERO, 6-16-2005]

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, 7, 8, 9, 10, 11, 12, 14]

**SYSTEM CONDITIONS**

S1.1 The operator shall limit the throughput to no more than 650000 ton(s) in any one year.

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



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

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

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

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

CONTAMINANT	EMISSIONS LIMIT
ROG	Less than or equal to 34 LBS IN ANY ONE DAY
CO	Less than or equal to 76 LBS IN ANY ONE DAY
PM	Less than or equal to 101 LBS IN ANY ONE DAY

For the purposes of this condition, the emission limit(s) are the combined emissions from Heaters 56-H-1 and 56-H-2 measured at the outlet of the common stack when both equipment are in operation.

The operator shall calculate the emission limit(s) using monthly fuel use data, and the following emission factors: ROG: 7.0 lbs/mmscf, CO: 17.5 lbs/mmscf, and PM: 21 lbs/mmscf.

In lieu of using the default emission factors whenever source test are required by this facility permit, the operator shall calculate the emissions using fuel usage during the calendar month as determined by a RECLAIM certified fuel meter and source test emission data. The source test emissions data will be converted to lb/mmcf, multiplied by the actual calendar month fuel usage, and divided by 30 to determine the daily mass emissions.

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

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

S4.1 The following condition(s) shall apply to all affected devices listed under Sections D and H of this system for fugitive emissions of volatile organic compounds (VOC):



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

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

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

All new valves greater than 2-inch size and major components in VOC service as defined by Rule 1173, except those specifically exempted by 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 new valves in VOC service except those specifically exempted by Rule 1173, shall be bellow-sealed valves for 2-inch and smaller sizes, except in the following applications: heavy liquid service, control valve, instrument piping/tubing, applications requiring torsional valve stem motion, applications where valve failure could pose safety hazard (e.g. drain valves with valve stems in horizontal position), and retrofits with space limitations.

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 shall revert to a quarterly inspection program with the approval of the executive officer.

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 60 days after initial startup, a plot plan or process instrumentation diagrams with a listing showing by functional



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

grouping, location, type, accessibility, and application of each new valve in VOC service.

[RULE 1173, 5-13-1994; RULE 1173, 6-1-2007; RULE 1303(a)(1)-BACT, 5-10-1996;  
RULE 1303(a)(1)-BACT, 12-6-2002; 40CFR 60 Subpart GGG, 6-2-2008]

[Systems subject to this condition : Process 10, System 8]

S4.2 The following condition(s) shall apply to all affected devices listed under Sections D and H of this system for fugitive emissions of volatile organic compounds (VOC):

All new open-ended lines 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 new process drains shall be equipped with P-trap or seal pot.

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

All new connections for gas/vapor and light liquid service, including flanges and fittings, shall not emit fugitive VOC in excess of 500 ppmv, measured by USEPA Method 21.

[RULE 1173, 5-13-1994; RULE 1173, 6-1-2007; RULE 1303(a)(1)-BACT, 5-10-1996;  
RULE 1303(a)(1)-BACT, 12-6-2002]

[Systems subject to this condition : Process 10, System 2 , 8]

S4.3 The following condition(s) shall apply to all affected devices listed under Sections D and H of this system for fugitive emissions of volatile organic compounds (VOC):



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

All components are subject to District Rule 1173.

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

All new valves greater than 2-inch size and major components in VOC service as defined by Rule 1173, except those specifically exempted by 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 new valves in VOC service except those specifically exempted by Rule 1173, shall be bellow-sealed valves for 2-inch and smaller sizes, except in the following applications: heavy liquid service, control valve, instrument piping/tubing, applications requiring torsional valve stem motion, applications where valve failure could pose safety hazard (e.g. drain valves with valve stems in horizontal position), and retrofits with space limitations.

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 shall revert to a quarterly inspection program with the approval of the executive officer.

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 60 days after initial startup, a plot plan or process instrumentation diagrams with a listing showing by functional



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

grouping, location, type, accessibility, and application of each new valve in VOC service.

[RULE 1173, 5-13-1994; RULE 1173, 6-1-2007; RULE 1303(a)(1)-BACT, 5-10-1996;  
RULE 1303(a)(1)-BACT, 12-6-2002]

[Systems subject to this condition : Process 8, System 3; Process 10, System 2;  
Process 13, System 1]

S4.4 The following condition(s) shall apply to all affected devices listed under Sections D and H of this system for fugitive emissions of volatile organic compounds (VOC):

All components are subject to the applicable requirements of District Rule 1173, 40CFR60, Subpart GGG, 40CFR60, Subpart QQQ, and to the requirements set forth in system condition S31.5.

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 process instrumentation diagram(s) with a listing of all non-leakless type valves categorized by tag no., size, type, service, operating conditions (temperature and pressure), body material, application, and reasons why leakless valves were not used.

[RULE 1173, 5-13-1994; RULE 1173, 6-1-2007; 40CFR 60 Subpart GGG, 6-2-2008;  
40CFR 60 Subpart QQQ, 10-17-2000]

[Systems subject to this condition : Process 4, System 7; Process 7, System 1, 3;  
Process 8, System 4; Process 14, System 5; Process 15, System 4]

S4.5 The following condition(s) shall apply to all affected devices listed under Sections D and H of this system for fugitive emissions of volatile organic compounds (VOC):



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

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

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

All new valves in VOC service except those specifically exempted by Rule 1173, shall be of leakless type except as approved by the District in the following applications: heavy liquid service, control valve, instrument piping/tubing, applications requiring torsional valve stem motion, applications where valve failure could pose safety hazard (e.g. drain valves with valve stems in horizontal position), and 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 shall revert to a quarterly inspection program with the approval of the executive officer.

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 60 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 process instrumentation diagram(s) with a listing of all non-leakless type valves categorized by tag no., size, type, service, operating conditions (temperature and pressure), body material, application, and reasons why leakless valves were not used.



**FACILITY PERMIT TO OPERATE  
ULTRAMAR INC (NSR USE ONLY)**

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

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

**[RULE 1173, 5-13-1994; RULE 1173, 6-1-2007; RULE 1303(a)(1)-BACT, 5-10-1996;  
RULE 1303(a)(1)-BACT, 12-6-2002; 40CFR 60 Subpart GGG, 6-2-2008]**

**[Systems subject to this condition : Process 11, System 38]**

**S4.6 The following condition(s) shall apply to all affected devices listed under Section D of this system for fugitive emissions of volatile organic compounds (VOC):**



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

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

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

All new valves greater than 2-inch size and major components in VOC service as defined by Rule 1173, except those specifically exempted by 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 new valves in VOC service except those specifically exempted by Rule 1173, shall be bellow-sealed valves for 2-inch and smaller size, except in the following applications: heavy liquid service, control valve, instrument piping/tubing, applications requiring torsional valve stem motion, applications where valve failure could pose safety hazard (e.g. drain valves with valve stems in horizontal position), and retrofits with space limitation.

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 shall revert to a quarterly inspection program with the approval of the executive officer.

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

[RULE 1173, 5-13-1994; RULE 1173, 6-1-2007; RULE 1303(a)(1)-BACT, 5-10-1996;  
RULE 1303(a)(1)-BACT, 12-6-2002; 40CFR 60 Subpart GGG, 6-2-2008]



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

[Systems subject to this condition : Process 4, System 5; Process 10, System 1, 10, 11, 13]

- S4.7 The following condition(s) shall apply to all affected devices listed under Sections D and H of this system for fugitive emissions of volatile organic compounds (VOC):



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

All components are subject to District Rule 1173.

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

All new valves greater than 2-inch size and major components in VOC service as defined by Rule 1173, except those specifically exempted by 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 new valves in VOC service except those specifically exempted by Rule 1173, shall be bellow-sealed valves for 2-inch and smaller sizes, except in the following applications: heavy liquid service, control valve, instrument piping/tubing, applications requiring torsional valve stem motion, applications where valve failure could pose safety hazard (e.g. drain valves with valve stems in horizontal position), and retrofits with space limitations.

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 shall revert to a quarterly inspection program with the approval of the executive officer.

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

[RULE 1173, 5-13-1994; RULE 1173, 6-1-2007; RULE 1303(a)(1)-BACT, 5-10-1996;  
RULE 1303(a)(1)-BACT, 12-6-2002; 40CFR 60 Subpart GGG, 6-2-2008]



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**FACILITY PERMIT TO OPERATE  
ULTRAMAR INC (NSR USE ONLY)**

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

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

[Systems subject to this condition : Process 8, System 1 , 2]

S4.8 The following condition(s) shall apply to all affected devices listed under Sections D and H of this system for fugitive emissions of volatile organic compounds (VOC):



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

All components are subject to District Rule 1173.

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

All new valves in VOC service except those specifically exempted by Rule 1173, shall be of leakless type except as approved by the District in the following applications: heavy liquid service, control valve, instrument piping/tubing, applications requiring torsional valve stem motion, applications where valve failure could pose safety hazard (e.g. drain valves with valve stems in horizontal position), and 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 shall revert to a quarterly inspection program with the approval of the executive officer.

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 60 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 process instrumentation diagram(s) with a listing of all non-leakless type valves categorized by tag no., size, type, service, operating conditions (temperature and pressure), body material, application, and reasons why leakless valves were not used.



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

[RULE 1173, 5-13-1994; RULE 1173, 6-1-2007; RULE 1303(a)(1)-BACT, 5-10-1996;  
RULE 1303(a)(1)-BACT, 12-6-2002]

[Systems subject to this condition : Process 17, System 1]

S4.9 The following condition(s) shall apply to all affected devices listed under Section H of this system for fugitive emissions of volatile organic compounds (VOC):

All components are subject to District Rule 1173.

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

All new valves in VOC service except those specifically exempted by Rule 1173, shall be of leakless type except as approved by the District in the following applications: heavy liquid service, control valve, instrument piping/tubing, applications requiring torsional valve stem motion, applications where valve failure could pose safety hazard (e.g. drain valves with valve stems in horizontal position), retrofits 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 shall revert to a quarterly inspection program with the approval of the executive officer.

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



**FACILITY PERMIT TO OPERATE  
ULTRAMAR INC (NSR USE ONLY)**

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

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

**[RULE 1173, 5-13-1994; RULE 1173, 6-1-2007; RULE 1303(a)(1)-BACT, 5-10-1996;  
RULE 1303(a)(1)-BACT, 12-6-2002]**

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

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

All effluent wastewater and sour water from this unit shall be routed to a wastewater treatment system and a sour water treating system, respectively, each of these units and their associated control equipment shall be in full operation whenever this system is in operation.

**[RULE 1176, 9-13-1996]**

[Systems subject to this condition : Process 2, System 1 , 3]

S13.1 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 6 , 7]

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

Contaminant	Rule	Rule/Subpart
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**FACILITY PERMIT TO OPERATE  
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**SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

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

VOC | District Rule | 1123

[RULE 1123, 12-7-1990]

[Systems subject to this condition : Process 1, System 1, 3, 5; Process 2, System 1, 3, 5; Process 3, System 1; Process 4, System 1, 3, 5, 7; Process 5, System 1; Process 7, System 1, 3; Process 8, System 1, 2, 3, 4, 5; Process 9, System 1; Process 10, System 1, 2, 3, 4, 5, 6, 7, 8, 10, 11, 12, 13; Process 11, System 1, 2; Process 17, System 46, 50, 97]

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	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 14, System 5]

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	463
VOC	District Rule	1149
VOC	District Rule	1178

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



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

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

[Systems subject to this condition : Process 14, System 1 , 2 , 7]

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	1176
VOC	40CFR60, SUBPART	QQQ
Benzene	40CFR61, SUBPART	FF

[RULE 1176, 9-13-1996; 40CFR 60 Subpart QQQ, 10-17-2000; 40CFR 61 Subpart FF, 12-4-2003]

[Systems subject to this condition : Process 13, System 1]

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

Contaminant	Rule	Rule/Subpart
SOX	40CFR60, SUBPART	J

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

[Systems subject to this condition : Process 11, System 38 , 39]

S13.9 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
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**FACILITY PERMIT TO OPERATE  
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**SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

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

Total Reduced Sulfur	40CFR60, SUBPART	J
H2S	40CFR60, SUBPART	J

Pursuant to 40CFR60.8(c), emissions in excess of the level of the applicable emission limit (40CFR60.104(a)(2)) during periods of startup, shutdown and malfunction shall not be considered a violation of the applicable emission limit (40CFR60.104(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]

[Systems subject to this condition : Process 11, System 1 , 2]

S13.10 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
Total Reduced Sulfur	40CFR63, SUBPART	UUU

Pursuant to 40CFR63.7(e), emissions in excess the level of the relevant standard during periods of startup, shutdown, and malfunction shall not be considered a violation of the relevant standard unless otherwise specified in the relevant standard or a determination of noncompliance is made under Section 63.6(e).

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

[40CFR 63 Subpart UUU, 4-20-2006]



**FACILITY PERMIT TO OPERATE  
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**SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

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

[Systems subject to this condition : Process 11, System 1 , 2]

S13.11 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
SOX	40CFR60, SUBPART	J

Pursuant to 40CFR60.8(c), emissions in excess of the level of the applicable emission limit (40CFR60.104(a)(1) and 40CFR60.104(a)(2)) during periods of startup, shutdown and malfunction shall not be considered a violation of the applicable emission limit (40CFR60.104(a)(1) and 40CFR60.104(a)(2)) unless otherwise specified in the applicable standard.

When this equipment is subject to both standards, 40CFR60.104(a)(1) and 40CFR60.104(a)(2), this equipment shall comply with 40CFR60.104(a)(1), the more stringent of the two limits, unless compliance can be determine independently for each requirement.

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

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

[Systems subject to this condition : Process 11, System 4]

S13.12 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	1149



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

VOC | District Rule | 1178

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 14, System 9]

S13.13 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	40CFR63, SUBPART	UUU
HCl 34.64	40CFR63, SUBPART	UUU
<<NH3 3,709		

Pursuant to 40 CFR63.7(e), emissions in excess level of the relevant standard during periods of startup, shutdown, and malfunction shall not be considered a violation of the relevant standard unless otherwise specified in the relevant standard or a determination of noncompliance is made under Section 63.6(e).

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

[40CFR 63 Subpart UUU, 4-20-2006]

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

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



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

All coker blowdown gases under normal operating conditions shall be directed to a vapor recovery 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(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

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

S15.3 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 sour gas treating unit(s).

This process/system shall not be operated unless the sour gas treating unit(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(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Systems subject to this condition : Process 2, System 3, 5; Process 4, System 1, 3, 5; Process 8, System 5]

S15.4 The vent gases from all affected devices of this process/system shall be vented as follows:

All acid gases under normal operating conditions shall be directed to the sulfur recovery unit(s).

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



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

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

[Systems subject to this condition : Process 10, System 1, 5, 6, 11, 12; Process 17, System 46]

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 the vapor recovery system(s).

This process/system shall not be operated unless the vapor recovery 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(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Systems subject to this condition : Process 1, System 5; Process 2, System 1, 3, 5; Process 3, System 1; Process 4, System 1, 3, 5, 7; Process 5, System 1; Process 7, System 1, 3; Process 8, System 1, 2, 3, 4, 5; Process 9, System 1; Process 10, System 1, 2, 3, 4, 5, 6, 7, 8, 11, 12; Process 13, System 1; Process 17, System 50, 97]

S15.6 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 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(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**



**FACILITY PERMIT TO OPERATE  
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**SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

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

[Systems subject to this condition : Process 11, System 38 , 39; Process 17, System 1]

S15.8 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 thermal oxidizer.

This process/system shall not be operated unless the thermal oxidizer 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(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002**]

[Systems subject to this condition : Process 11, System 6 , 7 , 38 , 39]

S15.11 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 tail gas treating unit(s).

This process/system shall not be operated unless the tail gas treating unit(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(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002**]

[Systems subject to this condition : Process 11, System 1 , 2]

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



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

All emergency vent gases shall be directed to a blowdown vapor recovery system and/or blowdown flare system.

When the emergency vent gases are being directed to the blowdown vapor recovery system, 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.

When the emergency vent gases are being directed to the blowdown flare system, 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(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Systems subject to this condition : Process 1, System 1, 3, 5; Process 2, System 1, 3, 5; Process 3, System 1; Process 4, System 1, 3, 5, 7; Process 5, System 1; Process 7, System 1, 3; Process 8, System 1, 2, 3, 4; Process 9, System 1; Process 10, System 1, 2, 3, 4, 5, 6, 7, 8, 10, 11, 12, 13; Process 13, System 1; Process 14, System 5, 6; Process 17, System 46, 50, 88, 97]

S15.13 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 front end of the sulfur recovery unit (SRU), Train 1 reaction furnace or Train 2 reaction furnace.

This process/system shall not be operated unless SRU Trains 1 or 2 are in full use and have a valid permit to receive vent gases from this system.

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

[Systems subject to this condition : Process 11, System 6, 7]



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

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:

Wastewater Treatment System (Process: 13, System: 1)

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

[Systems subject to this condition : Process 17, System 11]

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:



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

Blending Unit (Process: 9, System: 1)

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

Storage Tanks (Process: 14, System: 5 and 6)

Gas Production Units (Process: 8, System: 1, 2 & 3)

FCC Unit (Process: 3, System: 1)

Treating/Stripping Units (Process: 10, System: 1, 2, 3, 4, 5, 6, 7, and 8)

Delayed Coking Blowdown Unit (Process: 2, System: 5)

Oil/Water Separation Unit (Process: 13, System: 1)

Catalytic Reforming Unit (Process: 5, System: 1)

Air Pollution Control (Process: 17, System: 46, 50, 88, and 97)

Crude Distillation Units (Process: 1, System: 1, 3, and 5)

Delayed Coking Units (Process: 2, System: 1 and 3)

Alkylation and Isomerization Units (Process: 7, System: 1 and 3)

Fuel Gas Treating Unit (Process: 10, System: 13)

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

**[Systems subject to this condition : Process 17, System 1]**



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

- 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:

Delayed Coking Units (Process: 2, System: 1 and 3)

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

[Systems subject to this condition : Process 8, System 5]

- 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:

Delayed Coking Units (Process: 2, System: 1 and 3)

Delayed Coking Blowdown Unit (Process: 2, System: 5)

Light Ends Vapor Recovery Units (Process: 8, System: 4 and 5)

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

[Systems subject to this condition : Process 10, System 12; Process 17, System 97]

- 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:

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



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

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

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

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

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:

Sour Water Stripping Units (Process: 10, System: 1, 5, and 6)

Amine Regeneration Unit (Process: 17, System: 46)

Amine Treating Units (Process: 10, System: 11 and 12)

Tail Gas Units (Process: 11, System: 38 and 39)

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

[Systems subject to this condition : Process 11, System 1, 2]

S18.7 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:

Tail Gas Units (Process: 11, System: 38 and 39)

Sulfur Vapor Collection System Serving Storage Tank, Pits and Loading Rack  
(Process: 11, System: 7)

**[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]**



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

[Systems subject to this condition : Process 11, System 4]

S18.8 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:

Sulfur Recovery Units (Process: 11, System: 1, 2, 6, 38, and 39)

Blending Unit (Process: 9, System: 1)

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

Storage Tanks (Process: 14, System: 1, 5, and 6)

Gas Production Units (Process: 8, System: 1, 2 & 3)

FCC Unit (Process: 3, System: 1)

Treating/Stripping Units (Process: 10, System: 1, 2, 3, 4, 5, 6, 7, and 8)

Delayed Coking Blowdown Unit (Process: 2, System: 5)

Oil/Water Separation Unit (Process: 13, System: 1)

Catalytic Reforming Unit (Process: 5, System: 1)

Air Pollution Control (Process: 17, System: 1, 46, 50, 88, and 97)

Crude Distillation Units (Process: 1, System: 1, 3, and 5)

Delayed Coking Units (Process: 2, System: 1 and 3)

Alkylation and Isomerization Units (Process: 7, System: 1 and 3)



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

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

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

[Systems subject to this condition : Process 17, System 3 , 13 , 14]

S18.9 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:

Pressurized Tanks, LPG (Process: 14, System: 3)

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

[Systems subject to this condition : Process 17, System 2]

S18.10 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:

Sulfur Recovery Unit, Trains 1 & 2 (Process: 11, System: 1 and 2)

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

[Systems subject to this condition : Process 11, System 38 , 39]

S31.1 The following BACT requirements shall apply to VOC service fugitive components associated with the devices that are covered by application number(s) 344827 and 452241:



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

All valves shall be leakless valves except in the following applications: valves in heavy liquid service, control valves, instrument piping/tubing valves, valves requiring torsional stem motion, situations where valve failure could pose safety hazard (e.g., drain valves with stems in horizontal position), retrofit/special application valves with space limitation, and valves not commercially available at the time of Permit to Construct issuance. The District shall approve all exceptions to this requirement.

All valves and new major components shall be physically identified in the field with special marking that distinguish the components from non-BACT components. Additionally, all new components shall be identified as BACT components in the records.

The leak rate from non leakless valves and other non-valve fugitive components shall not exceed 500 ppmv. A leak rate greater than 500 ppmv, but less than or equal to 1,000 ppmv, shall be repaired within 7 calendar days after detection of the leak.

All non leakless valves, except those specifically exempted by Rule 1173, shall be inspected monthly using EPA Method 21. The operator may begin quarterly inspections, upon District approval, after two consecutive monthly inspections in which only two percent or less of non-bellows seal valves are found to be leaking above 500 ppmv.

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.

For application number 452241, the operator shall provide the following information to the District no later than 60 days after initial startup:

(a) Process and instrumentation diagrams (or some other equivalent District-approved diagrams) that identify all valves. Along with the diagrams, the operator shall provide a listing of all valves categorized by location, type, size, accessibility and service; and

(b) A recalculation of fugitive emissions based on actual fugitive components



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

installed and removed from service. All valves shall be categorized by size and service. The operator shall submit a listing of all non-bellows seal valves categorized by tag number, type, size, body material, service, operating temperature, operating pressure and reason(s) why bellows seal valves were not used.

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

[Systems subject to this condition : Process 4, 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) 370041:



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

All valves shall be bellows sealed valves except in the following applications: valves in heavy liquid service, control valves, instrument piping/tubing valves, valves requiring torsional stem motion, situations where valve failure could pose safety hazard (e.g., drain valves with stems in horizontal position), retrofit/special application valves with space limitation, and valves not commercially available (e.g. valves larger than 8", valves larger than 2" that require special alloys or connectors, etc.). The District shall approve all exceptions to this requirement.

All valves and new major components shall be physically identified in the field with special marking that distinguish the components from non-BACT components. Additionally, all new components shall be identified as BACT components in the records.

The operator shall provide the following information to the District no later than 60 days after initial startup:

(a) Process and instrumentation diagrams (or some other equivalent District-approved diagrams) that identify all valves. Along with the diagrams, the operator shall provide a listing of all valves categorized by location, type, size, accessibility and service; and,

(b) A recalculation of fugitive emissions based on actual fugitive components installed and removed from service. All valves shall be categorized by size and service. The operator shall submit a listing of all non-bellows seal valves categorized by tag number, type, size, body material, service, operating temperature, operating pressure and reason(s) why bellows seal valves were not used.

All non-bellows seal valves, except those specifically exempted by Rule 1173, shall be inspected monthly using EPA Method 21. The operator may begin quarterly inspections, upon District approval, after two consecutive monthly inspections in which only two percent or less of non-bellows seal valves are found to be leaking above 500 ppmv.

The leak rate from non-bellows seal valves and other non-valve fugitive components shall not exceed 500 ppmv. A leak rate greater than 500 ppmv, but less than or equal



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

to 1,000 ppmv, shall be repaired within 14 calendar days after detection of the leak.

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

[Systems subject to this condition : Process 8, System 3]

S31.5 The following BACT requirements shall apply to VOC service fugitive components associated with the devices that are covered by application number(s) 416627 (Unit 43), 416624 (Unit 56), 416622 (Unit 68), 416626 (Unit 69), 416633 (Unit 81-V-9), 416628 (Unit 86-B-9003), and 465660 (Unit 88):



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

All open-ended lines 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 drain shall be equipped with water seal, or a closed-vent system and control device complying with the requirements of 40CFR60 Subpart QQQ section 60.692-5.

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

All 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 at the time of Permit to Construct issuance.

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, flange, fitting, pump, compressor, pressure relief device, diaphragm, hatch, sight-glass, meter, and any instrumentation which are not exempted by Rule 1173.

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

All components in VOC service, a leak greater than 500 ppm but less than 1,000 ppm measured as methane above background using EPA Method 21, shall be repaired within 14 days of detection. A leak greater than 1,000 ppm shall be repaired according to Rule 1173.



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

If 98.0 percent or greater of the new valve and flange population inspected is found to leak gaseous or liquid VOC 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.

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

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

[Systems subject to this condition : Process 4, System 7; Process 7, System 1, 3; Process 8, System 4; Process 10, System 13; Process 14, System 5; Process 15, System 4]

S31.6 The following BACT requirements shall apply to VOC service fugitive components associated with the devices that are covered by application number(s) 411695, 396054:



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

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

The operator shall provide to the District, no later than 60 days after initial startup, a recalculation of the fugitive emissions based on actual components installed and removed from service. The new valves and new flanges shall be categorized by tag no., size, type, operating temperature, body material, application, and reasons why bellows seal valves were not used.

All new valves and major components in VOC service as defined by rule 1173, except those specifically exempted by 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 new components in VOC service as defined in Rule 1173, except those specifically exempted by Rule 1173 and 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.

If 98.0 percent or greater of the new (non-bellows seal) valves and the new flange population inspected is found to leak gaseous or liquid volatile organic compounds at a rate less than 500 ppmv for two consecutive months, then the operator may change to a quarterly inspection program with the approval of the District.

The operator shall revert from quarterly to monthly inspection program if less than 98.0 percent of the new (non-bellows seal) valves and the new flange population inspected is found to leak gaseous or liquid volatile organic compounds at a rate less than 500 ppmv.

All new components in VOC service with a leak greater than 500 ppmv but less than



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

1,000 ppmv, as methane, measured above background using EPA Method 21 shall be repaired within 14 days of detection. Components shall be defined as any valve, fitting, pump, compressor, pressure relief valve device, diaphragm, hatch, sight-glass, and meter, which are not exempted by Rule 1173.

The operator shall keep records of the monthly inspection (quarterly where applicable), subsequent repair, and reinspection, in a manner approved by the District. Records shall be kept and maintained for at least two years, and shall be made available to the Executive Officer or his authorized representative upon request.

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

[Systems subject to this condition : Process 14, System 7]

S42.1 The operator shall shall not operate the FCCU unless the operator complies with the requirements of the following rule by December 31, 2008:

Contaminant	Rule	Rule Number/Subpart
PM10	District Rule	1105.1
Ammonia (NH3)	District Rule	1105.1



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

**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 all contracts to design the control technology selected for compliance with Rule 1105.1(d)(1) by September 15, 2006. Award all contracts to construct and install the control technology by July 1, 2007.
2. Submit information necessary for the preparation of the California Environmental Quality Act (CEQA) documents for equipment installation and modification for Rule 1105.1(d)(1) compliance, by August 15, 2006.
3. Submit complete applications for permits to construct the control technology selected for compliance with emission limits specified in Rule 1105.1(d)(1) by October 1, 2006. Upon receiving a letter from the AQMD deeming the applications completed by October 1, 2006, Ultramar will be considered in compliance with this requirement.
4. Begin construction of the control technology permitted by AQMD for compliance with Rule 1105.1(d)(1) by October 1, 2007, or within 30 days of receiving all necessary permits, whichever is later.
5. Complete demolition, site preparation and excavation no later than November 2, 2007.
6. Have available on-site, all components needed for the complete assembly of the technology selected, which is electrostatic precipitation, by June 1, 2008.
7. Start operation of the control equipment permitted to ensure compliance with Rule 1105.1(d)(1) by December 1, 2008.
8. Comply with Rule 1105.1(d)(1) no later than December 31, 2008.

[RULE 1105.1, 11-7-2003]

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



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

#### DEVICE CONDITIONS

##### A. Emission Limits

A63.1 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
ROG	Less than or equal to 7 LBS IN ANY ONE DAY
CO	Less than or equal to 18 LBS IN ANY ONE DAY
PM	Less than or equal to 22 LBS IN ANY ONE DAY

The operator shall calculate the emission limit(s) using monthly fuel usage data, and the following emission factors: ROG: 7.0 lbs/mm scf; CO: 17.5 lbs/mm scf; and PM: 21 lb/mm scf.

In lieu of using the default emission factors whenever source test are required by this facility permit, the operator shall calculate the emissions using fuel usage during the calendar month as determined by a RECLAIM certified fuel meter and source test emission data. The source test emissions data will be converted to lb/mm scf, multiplied by the actual calendar month fuel usage, and divided by 30 to determine the daily mass emissions.

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

[Devices subject to this condition : D98]

A63.2 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
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## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

ROG	Less than or equal to 14 LBS IN ANY ONE DAY
CO	Less than or equal to 36 LBS IN ANY ONE DAY
PM	Less than or equal to 43 LBS IN ANY ONE DAY

The operator shall calculate the emission limit(s) using monthly fuel usage data, and the following emission factors: ROG: 7.0 lbs/mmcf; CO: 17.5 lbs/mmcf; and PM: 21 lbs/mmcf.

In lieu of using the default emission factors whenever source test are required by this facility permit, the operator shall calculate the emissions using fuel usage during the calendar month as determined by a RECLAIM certified fuel meter and source test emission data. The source test emissions data will be converted to lb/mmcf, multiplied by the actual calendar month fuel usage, and divided by 30 to determine the daily mass emissions.

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

[Devices subject to this condition : D768]

A63.3 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
PM	Less than or equal to 2 LBS PER DAY
CO	Less than or equal to 1 LBS PER DAY

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

[Devices subject to this condition : D932]

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



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

CONTAMINANT	EMISSIONS LIMIT
CO	Less than or equal to 955 LBS PER DAY
PM	Less than or equal to 562 LBS PER DAY

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

[Devices subject to this condition : D36]

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

CONTAMINANT	EMISSIONS LIMIT
CO	Less than or equal to 50 LBS IN ANY ONE DAY
ROG	Less than or equal to 20 LBS IN ANY ONE DAY

The operator shall calculate the emission limit(s) using monthly fuel usage data, and the following emission factors: ROG: 7.0 lbs/mmscf and CO: 17.5 lbs/mmscf.

In lieu of using the default emission factors whenever source test are required by this facility permit, the operator shall calculate the emissions using fuel usage during the calendar month as determined by a RECLAIM certified fuel meter and source test emission data. The source test emissions data will be converted to lb/mmcf, multiplied by the actual calendar month fuel usage, and divided by 30 to determine the daily mass emissions.

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

[Devices subject to this condition : D12]

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



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

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 : D23, D24, D25, D26, D27, D28, D29, D30, D31, D1231, D1232, D1233]

**A63.8 The operator shall limit emissions from this equipment as follows:**

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

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

[Devices subject to this condition : D36]

**A229.1 The 10.75LBS/HR emission limit is calculated by the parameters measured and recorded in accordance with Rule 2012. The mass emission limit is solely for the purpose of ensuring that there is no net increase in emission of NOX that will trigger BACT requirement pursuant to Rule 2005(c)(1)(A).**

**[RULE 2005, 5-6-2005]**

[Devices subject to this condition : D3]

**A327.1 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.**



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

[RULE 476, 10-8-1976]

[Devices subject to this condition : D378]

#### B. Material/Fuel Type Limits

B22.1 The operator shall not use this equipment with materials having a(n) true vapor pressure of 6 psia or greater under actual operating conditions.

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

[Devices subject to this condition : D221]

B22.2 The operator shall not use this equipment with materials having a(n) true vapor pressure of 0.5 psia or greater under actual operating conditions.

[RULE 1301, 12-7-1995]

[Devices subject to this condition : D259, D274]

B22.3 The operator shall not use this equipment with materials having a(n) true vapor pressure of 0.1 psia or greater under actual operating conditions.

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

[Devices subject to this condition : D217, D218]

B22.4 The operator shall not use this equipment with materials having a(n) true vapor pressure of 0.4 psia or greater under actual operating conditions.



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

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

[Devices subject to this condition : D260]

B22.5 The operator shall not use this equipment with materials having a(n) true vapor pressure of 0.2 psia or greater under actual operating conditions.

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

[Devices subject to this condition : D264]

B22.6 The operator shall not use this equipment with materials having a(n) true vapor pressure of 7 psia or greater under actual operating conditions.

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

[Devices subject to this condition : D307, D309]

B22.7 The operator shall not use this equipment with materials having a(n) true vapor pressure of 11 psia or greater under actual operating conditions.

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

[Devices subject to this condition : D252, D256, D272, D273]

B22.8 The operator shall not use this equipment with materials having a(n) true vapor pressure of 6.9 psia or greater under actual operating conditions.

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

[Devices subject to this condition : D262]



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

- B22.9 The operator shall not use this equipment with materials having a(n) true vapor pressure of 7.3 psia or greater under actual operating conditions.

To verify compliance with this condition, the operator shall sample the materials stored once per month to determine the true vapor pressure. The true vapor pressure shall be determined using ASTM Method D-323 for Reid vapor pressure or other equivalent District-approved method and converted to true vapor pressure using applicable nomographs or equations in EPA AP-42 or District and EPA approved nomographs.

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

[Devices subject to this condition : D261]

- B27.1 The operator shall not use in this equipment any materials containing any toxic air contaminants (TACs) identified in the SCAQMD Rule 1401, as amended 05/02/2003.

[RULE 1401, 3-4-2005]

[Devices subject to this condition : D1477]

- B59.1 The operator shall only use the following material(s) in this device :

Product Gasoline, Reformate, Alkylate, Toluene, Raffinate, Iso-Octane & FCC gasoline

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

[Devices subject to this condition : D1460]

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



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

Light Straight Run Naphtha, Slop Oil, Crude Oil, Gas Oil, Isooctane, Isooctene, Raffinate, Heavy Naphtha, FCC Gasoline, Alkylate, Distillate, Jet Fuel, Diesel Fuel

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1401, 3-4-2005]

[Devices subject to this condition : D267]

B61.1 The operator shall only use fuel gas containing the following specified compounds:

Compound	ppm by volume
Sulfur less than	100

The operator shall maintain a continuous total sulfur analyzer to monitor the sulfur content of the fuel gas.

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

[Devices subject to this condition : D3, D6, D8, D9, D12, D22, D59, D60, D73, D98, D429, D430, D768]

B61.2 The operator shall not use fuel gas containing the following specified compounds:

Compound	ppm by volume
H2S greater than	160

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



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

[Devices subject to this condition : D3, D6, D8, D9, D12, D22, D38, D52, D53, D59, D60, D73, D74, D98, D377, D378, D429, D430, D768]

B61.3 The operator shall only use diesel fuel containing the following specified compounds:

Compound	weight percent
Sulfur less than	0.0015

unless the operator demonstrates in writing to the Executive Officer that specific additional time is necessary to comply with this limit.

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

[Devices subject to this condition : D992, D993, D994, D995, D996, D997, D1021, D1022, D1259, D1305, D1639]

#### C. Throughput or Operating Parameter Limits

C1.1 The operator shall limit the number of turnovers to no more than 75 in any one year.

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

[Devices subject to this condition : D217, D218]

C1.2 The operator shall limit the number of turnovers to no more than 42 in any one year.

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



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

[Devices subject to this condition : D255, D256]

C1.3 The operator shall limit the number of turnovers to no more than 40 in any one year.

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

[Devices subject to this condition : D260]

C1.4 The operator shall limit the number of turnovers to no more than 60 in any one year.

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

[Devices subject to this condition : D264]

C1.5 The operator shall limit the throughput to no more than 1.095e+07 barrels in any one year.

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

[Devices subject to this condition : D266]

C1.6 The operator shall limit the number of turnovers to no more than 10 in any one year.

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

[Devices subject to this condition : D307, D309]



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

C1.7 The operator shall limit the throughput to no more than 600,000 barrel(s) in any one calendar month.

To comply with this condition, the operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Tank throughput in barrels per month.

Commodity/product stored and time period of its storage.

Vapor pressure, in psia, of each batch of commodity/product stored.

Other records that may be required to comply with the applicable requirements of District Rules 463 and 1178 and 40 CFR60, Subparts Kb.

Records shall be kept and maintained for at least five years, and shall be made available to the Executive Officer or his authorized representative upon request.

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

[Devices subject to this condition : D267]

C1.8 The operator shall limit the throughput to no more than 15 MM barrels in any one calendar year.



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

For the purpose of this condition, throughput shall be defined as the combined throughput of naphtha, gas oil, crude and gasoline.

The operator shall comply with the following throughput measurement practices.

The operator shall calculate the throughput, in barrels, by the following equation:  $0.14 \times D \times D \times L$ , where D is the diameter of the tank in feet based on the tank strapping chart and L is the total vertical one-way roof travel in feet per month.

The operator shall install and maintain an automatic tank level gauge (ATLG) and recorder to continuously record the vertical movement of the roof. For the purpose of this condition, continuous recording is defined as once per hour.

The operator shall calculate the total one-way roof movement, in feet, on a daily and monthly basis.

The ATLG installed shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLG differs from the manual tank level measurement by more than 1.0 inch or 0.8%, whichever is greater, the ATLG shall be repaired and put back into service within 10 days. While the ATLG is being repaired, the throughput shall be determined by the hourly tank level data averaged from the previous 30 days prior to the discovery of the discrepancy.

In the event of a failure or routine maintenance of the ATLG, the ATLG shall be repaired (if necessary) and put back into service within 10 days of the time that the ATLG failed or was removed from service for maintenance. While the ATLG 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 ATLG went out of service.

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

[Devices subject to this condition : D864, D868]



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

C1.9 The operator shall limit the throughput to no more than  $5.4e+06$  barrel(s) in any one year.

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

[Devices subject to this condition : D258]

C1.11 The operator shall limit the loading rate to no more than 672000 gallon(s) per day.

This limit shall be based on the total combined limit for equipment D197 which consists of eight loading arms.

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

[Devices subject to this condition : D197]

C1.12 The operator shall limit the throughput to no more than 20.26 MM barrels in any one calendar year.



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

This limit shall be based on the total combined limit for equipment D268 (82-TK-1), D269 (82-TK-2), and D270 (82-TK-3).

The gasoline blending products stored in equipment D269 (82-TK-2) and D270 (82-TK-3) shall only consist of the following: isooctane, isooctene, FCC gasoline, alkylate, light straight run (LSR) naphtha, heavy cat naphtha, light cat naphtha, or raffinate.

The operator shall comply with the following throughput measurement practices.

The operator shall calculate the throughput, in barrels, by the following equation:  $0.14 \times D \times D \times L$ , where D is the diameter of the tank in feet based on the tank strapping chart and L is the total vertical one-way roof travel in feet per month.

The operator shall install and maintain an automatic tank level gauge (ATLG) and recorder to continuously record the vertical movement of the roof. For the purpose of this condition, continuous recording is defined as once per hour.

The operator shall calculate the total one-way roof movement, in feet, on a daily and monthly basis.

The ATLG installed shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLG differs from the manual tank level measurement by more than 1.0 inch or 0.8%, whichever is greater, the ATLG shall be repaired and put back into service within 10 days. While the ATLG is being repaired, the throughput shall be determined by the hourly tank level data averaged from the previous 30 days prior to the discovery of the discrepancy.

In the event of a failure or routine maintenance of the ATLG, the ATLG shall be repaired (if necessary) and put back into service within 10 days of the time that the ATLG failed or was removed from service for maintenance. While the ATLG 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 ATLG went out of service.



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

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

[Devices subject to this condition : D268, D269, D270]

C1.13 The operator shall limit the fuel usage to no more than 207200 cubic feet per day.

For the purpose of this condition, fuel usage shall be defined as the sum of instantaneous flow rates in cubic feet per hour of purge gases used in Device numbers C401, C402, and C403 times 24 hours per day as read from each flow meter.

[RULE 1301, 12-7-1995]

[Devices subject to this condition : C401, C402, C403]

C1.14 The operator shall limit the throughput to no more than 7000 barrel(s) in any one day.

For the purpose of this condition, throughput shall be defined as amount of field butane processed in this equipment.

To comply with this condition, the operator shall install and maintain a(n) flow meter to accurately indicate the flow rate of the field butane processed in this equipment.

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 : D1280]

C1.15 The operator shall limit the fuel usage to no more than 130000 cubic feet per hour.



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

To comply with this condition, the operator shall install and maintain a(n) flow meter to accurately indicate the fuel usage being supplied to the heater in accordance with Rule 2012.

The operator shall also maintain a device to continuously record the parameters being measured and the fuel gas usage in an hourly basis.

The purpose(s) of this condition is to ensure that the maximum increase in emissions will not exceed the emission offset provided for this heater for CO, PM10, and ROG pursuant to Rule 1303(b)(3).

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

[Devices subject to this condition : D3]

C1.17 The operator shall limit the operating time to no more than 199 hour(s) in any one year.

[RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996; RULE 2012, 5-6-2005]

[Devices subject to this condition : D992, D993, D994, D995, D996, D997, D1021, D1022, D1259, D1305]

C1.19 The operator shall limit the number of turnovers to no more than 292 in any one year.

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

[Devices subject to this condition : D272, D273]

C1.20 The operator shall limit the number of turnovers to no more than 65 in any one year.



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

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

[Devices subject to this condition : D262]

C1.21 The operator shall limit the number of turnovers to no more than 475 in any one year.

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

[Devices subject to this condition : D263]

C1.22 The operator shall limit the number of turnovers to no more than 66 in any one year.

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

[Devices subject to this condition : D265]

C1.23 The operator shall limit the throughput to no more than 880000 barrel(s) in any one year.

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

[Devices subject to this condition : D252]

C1.24 The operator shall limit the number of turnovers to no more than 108 in any one year.

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



**FACILITY PERMIT TO OPERATE  
ULTRAMAR INC (NSR USE ONLY)**

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

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

[Devices subject to this condition : D221]

C1.28 The operator shall limit the loading rate to no more than 2.2268e+06 gallon(s) per day.

This limit shall be based on the total combined limit for equipment D196 and D547.

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

[Devices subject to this condition : D196, D547]

C1.29 The operator shall limit the throughput to no more than 1.86 MM barrels in any one calendar year.



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

For the purpose of this condition, throughput shall be defined as throughput of MTBE.

The operator shall comply with the following throughput measurement practices.

The operator shall calculate the throughput, in barrels, by the following equation:  $0.14 \times D \times D \times L$ , where D is the diameter of the tank in feet based on the tank strapping chart and L is the total vertical one-way roof travel in feet per month.

The operator shall install and maintain an automatic tank level gauge (ATLG) and recorder to continuously record the vertical movement of the roof. For the purpose of this condition, continuous recording is defined as once per hour.

The operator shall calculate the total one-way roof movement, in feet, on a daily and monthly basis.

The ATLG installed shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLG differs from the manual tank level measurement by more than 1.0 inch or 0.8%, whichever is greater, the ATLG shall be repaired and put back into service within 10 days. While the ATLG is being repaired, the throughput shall be determined by the hourly tank level data averaged from the previous 30 days prior to the discovery of the discrepancy.

In the event of a failure or routine maintenance of the ATLG, the ATLG shall be repaired (if necessary) and put back into service within 10 days of the time that the ATLG failed or was removed from service for maintenance. While the ATLG 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 ATLG went out of service.

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

[Devices subject to this condition : D448]



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

C1.30 The operator shall limit the throughput to no more than 9.855 MM barrels in any one calendar year.

For the purpose of this condition, throughput shall be defined as the combined throughput of gasoline, alkylate and raffinate.

The operator shall comply with the following throughput measurement practices.

The operator shall calculate the throughput, in barrels, by the following equation:  $0.14 \times D \times D \times L$ , where D is the diameter of the tank in feet based on the tank strapping chart and L is the total vertical one-way roof travel in feet per month.

The operator shall install and maintain an automatic tank level gauge (ATLG) and recorder to continuously record the vertical movement of the roof. For the purpose of this condition, continuous recording is defined as once per hour.

The operator shall calculate the total one-way roof movement, in feet, on a daily and monthly basis.

The ATLG installed shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLG differs from the manual tank level measurement by more than 1.0 inch or 0.8%, whichever is greater, the ATLG shall be repaired and put back into service within 10 days. While the ATLG is being repaired, the throughput shall be determined by the hourly tank level data averaged from the previous 30 days prior to the discovery of the discrepancy.

In the event of a failure or routine maintenance of the ATLG, the ATLG shall be repaired (if necessary) and put back into service within 10 days of the time that the ATLG failed or was removed from service for maintenance. While the ATLG 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 ATLG went out of service.

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



**FACILITY PERMIT TO OPERATE  
ULTRAMAR INC (NSR USE ONLY)**

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

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

[Devices subject to this condition : D448]

C1.31 The operator shall limit the firing rate to no more than 144 MM Btu per hour.

For the purpose of this condition, firing rate shall be defined as heat input to this equipment based on the higher heating value (HHV) of the fuel gas used.

To comply with this condition, the operator shall install and maintain a(n) continuous monitoring system to accurately indicate the energy input being supplied to the heater.

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

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

[Devices subject to this condition : D12]

C1.32 The operator shall limit the throughput to no more than 750000 barrel(s) in any one month.



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

For the purpose of this condition, throughput shall be defined as the combined throughput of product gasoline, reformate alkylate, toluene, raffinate, iso-octane, and FCC gasoline.

The operator shall comply with the following throughput measurement practices.

The operator shall calculate the throughput, in barrels, by the following equation:  $V/H$  (subscript: t)  $\times$  H (subscript: a), where V is the volume of the tank in barrels based on the most recent version of the API Standard 2550, H (subscript: t) is the height of the tank based on the tank strapping chart and H (subscript: a) is total vertical one-way liquid surface level travel in feet per month.

The operator shall calculate the incremental throughput volumes based on the one-way liquid surface level movement, in feet. The sum of the incremental throughput volumes shall be calculated on a monthly basis.

An automatic tank level gauge (ATLG) shall be used to continuously monitor and record the liquid surface level movement. Continuous monitoring and recording are defined as every 15 minutes. The ATLG shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLG differs from the manual tank level measurement by more than 0.8 percent or 1 inch, whichever is greater, the ATLG shall be repaired.

While the ATLG is being repaired, the throughput shall be determined by the hourly tank level data averaged from the previous 30 days, prior to discovery of discrepancy.

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

[Devices subject to this condition : D1460]

- C1.34 The operator shall limit the operating time to no more than 240 hour(s) in any one calendar month.

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



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

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

[Devices subject to this condition : D1477]

- C1.36 The operator shall limit the gasoline dispensed to no more than 40000 gallon(s) in any one calendar month.

This limit applies to all gasoline dispensing storage tanks at this facility.

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

[Devices subject to this condition : D990]

- C1.37 The operator shall limit the gasoline dispensed to no more than 480000 gallon(s) per year.

This limit applies to all gasoline dispensing storage tanks at this facility.

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

[Devices subject to this condition : D990]

- C1.38 The operator shall limit the throughput to no more than 850000 barrel(s) in any one calendar month.



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

The operator shall comply with the following throughput measurement practices.

The operator shall calculate the throughput, in barrels, by the following equation:  $0.14 \times D \times D \times L$ , where D is the diameter of the tank in feet based on the tank strapping chart and L is the total vertical one-way roof travel in feet per month.

The operator shall install and maintain an automatic tank level gauge (ATLG) and recorder to continuously record the vertical movement of the roof. For the purpose of this condition, continuous recording is defined as once per hour.

The operator shall calculate the total one-way roof movement, in feet, on a daily and monthly basis.

The ATLG installed shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLG differs from the manual tank level measurement by more than 1.0 inch or 0.8%, whichever is greater, the ATLG shall be repaired and put back into service within 10 days. While the ATLG is being repaired, the throughput shall be determined by the hourly tank level data averaged from the previous 30 days prior to the discovery of the discrepancy.

In the event of a failure or routine maintenance of the ATLG, the ATLG shall be repaired (if necessary) and put back into service within 10 days of the time that the ATLG failed or was removed from service for maintenance. While the ATLG 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 ATLG went out of service.

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

[Devices subject to this condition : D257]

- C1.40 The operator shall limit the throughput to no more than 620000 barrel(s) in any one calendar month.



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

The operator shall comply with the following throughput measurement practices.

The operator shall calculate the throughput, in barrels, by the following equation:  $0.14 \times D \times D \times L$ , where D is the diameter of the tank in feet based on the tank strapping chart and L is the total vertical one-way roof travel in feet per month.

The operator shall install and maintain an automatic tank level gauge (ATLG) and recorder to continuously record the vertical movement of the roof. For the purpose of this condition, continuous recording is defined as once per hour.

The operator shall calculate the total one-way roof movement, in feet, on a daily and monthly basis.

The ATLG installed shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLG differs from the manual tank level measurement by more than 1.0 inch or 0.8%, whichever is greater, the ATLG shall be repaired and put back into service within 10 days. While the ATLG is being repaired, the throughput shall be determined by the hourly tank level data averaged from the previous 30 days prior to the discovery of the discrepancy.

In the event of a failure or routine maintenance of the ATLG, the ATLG shall be repaired (if necessary) and put back into service within 10 days of the time that the ATLG failed or was removed from service for maintenance. While the ATLG 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 ATLG went out of service.

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

[Devices subject to this condition : D261]

C1.41 The operator shall limit the operating time to no more than 200 hour(s) in any one year.



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

This limit includes no more than 50 hour(s) in any one year for maintenance and testing purposes.

To comply with this condition, the operator shall install and maintain a non-resettable elapsed time meter to accurately indicate the elapsed operating time of the engine.

The operator shall maintain an engine operating log which, on a monthly basis, shall list all engine operations in each of the following areas:

1. Emergency use hours of operation
2. Maintenance and testing hours
3. Other operating hours (Describe the reason for the operation)

In addition, each time the engine is started manually, the log shall include the date of operation and the timer reading in hours at the beginning and end of operation.

The operation of the engine beyond the 50 hours per year allotted for engine maintenance and testing shall be allowed only in the event of a loss of grid power or up to 30 minutes prior to a rotating outage, provided that the electrical grid operator or electric utility has ordered rotating outages in the control area where the engine is located or has indicated that it expects to issue such an order at a certain time, and the engine is located in a utility service block that is subject to the rotating outage. Engine operation shall be terminated immediately after the utility distribution company advises that a rotating outage is no longer imminent or in effect.

[RULE 1110.2, 2-1-2008; RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(1)-Modeling, 5-10-1996; RULE 1303(b)(1)-Modeling, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1470, 6-1-2007; RULE 2005, 5-6-2005]



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

[Devices subject to this condition : D1639]

C1.43 The operator shall limit the throughput to no more than 3.65 MM barrels in any one calendar year.

The operator shall comply with the following throughput measurement practices.

The operator shall calculate the throughput, in barrels, by the following equation:  $0.14 \times D \times D \times L$ , where D is the diameter of the tank in feet based on the tank strapping chart and L is the total vertical one-way roof travel in feet per month.

The operator shall install and maintain an automatic tank level gauge (ATLG) and recorder to continuously record the vertical movement of the roof. For the purpose of this condition, continuous recording is defined as once per hour.

The operator shall calculate the total one-way roof movement, in feet, on a daily and monthly basis.

The ATLG installed shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLG differs from the manual tank level measurement by more than 1.0 inch or 0.8%, whichever is greater, the ATLG shall be repaired and put back into service within 10 days. While the ATLG is being repaired, the throughput shall be determined by the hourly tank level data averaged from the previous 30 days prior to the discovery of the discrepancy.

In the event of a failure or routine maintenance of the ATLG, the ATLG shall be repaired (if necessary) and put back into service within 10 days of the time that the ATLG failed or was removed from service for maintenance. While the ATLG 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 ATLG went out of service.

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



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

[Devices subject to this condition : D271]

- C6.1 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 internal floating roof twice a year at 4 to 8 months interval.

[RULE 463, 5-6-2005]

[Devices subject to this condition : D1460]

- C6.2 The operator shall use this equipment in such a manner that the pressure being monitored, as indicated below, does not exceed 80 Psia.

To comply with this condition, the operator shall install and maintain a(n) pressure gauge to accurately indicate the pressure being supplied to the abrasive blasting nozzle.

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

[Devices subject to this condition : D1477]

- C6.3 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, does not exceed 3 inches water column.

To comply with this condition, the operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the two filter cartridges.



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

[RULE 1140, 2-1-1980; RULE 1140, 8-2-1985; RULE 1303(a)(1)-BACT, 5-10-1996;  
RULE 1303(a)(1)-BACT, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring,  
12-12-1997; RULE 401, 3-2-1984; RULE 404, 2-7-1986; RULE 405, 2-7-1986]

[Devices subject to this condition : D1477]

- C12.1 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. current
2. voltage

at each ESP field. 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 for the FCCU Regenerator (Device D36) according to the requirements specified in Permit Condition D29.12.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984; RULE 404,  
2-7-1986; RULE 405, 2-7-1986; 40CFR 60 Subpart J, 6-24-2008]

[Devices subject to this condition : C39]



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

#### D. Monitoring/Testing Requirements

D12.2 The operator shall install and maintain a(n) non-resettable elapsed time meter to accurately indicate the elapsed operating time of the engine.

[RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996; RULE 2012, 5-6-2005]

[Devices subject to this condition : D992, D993, D994, D995, D996, D997, D1021, D1022, D1259, D1305]

D12.3 The operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the PRV at the Carbon Adsorption Tower or a pressure gauge to indicate the backpressure in the vapor recovery system.

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

[Devices subject to this condition : C1029]

D12.5 The operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature across the catalyst bed.

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

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

[Devices subject to this condition : C13]

D12.6 The operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the the catalyst bed.

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



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

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

[Devices subject to this condition : C13]

D12.7 The operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature at the inlet of the SCR bed.

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

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

[Devices subject to this condition : C431, C770]

D12.8 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 measured.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; 40CFR 60 Subpart A, 5-16-2007]

[Devices subject to this condition : C400, C401, C402, C403]

D28.4 The operator shall conduct source test(s) in accordance with the following specifications:



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

The test shall be conducted to determine the NH<sub>3</sub> emissions at the outlet.

The test shall be conducted at least annually.

The test shall be conducted when the combustion equipment vented to the SCR is operating at 80 percent or greater of its maximum design heat rating, or within a capacity approved by the District, with ammonia injection.

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(a)(1)-BACT, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : C431, C770]

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

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 when this equipment is operating at 80 percent or greater of its maximum design heat rating, or within a capacity approved by the District.

The test shall be conducted to determine the CO emissions at the outlet.

The test shall be conducted at least annually.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 407, 4-2-1982]**

[Devices subject to this condition : D9, D59, D60, D73, D377]



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

D28.13 The operator shall conduct source test(s) in accordance with the following specifications:

The test shall be conducted yearly to determine the NH<sub>3</sub> emissions.

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

[Devices subject to this condition : C13, C379]

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
ROG emissions	Approved District method	1 hour	Outlet of the SCR serving this equipment

The test shall be conducted when this equipment is operating at 80 percent or greater of its maximum design heat rating or within a capacity approved by the District.

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

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

[Devices subject to this condition : D12]

D29.2 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	District-approved averaging time	Outlet



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

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

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

[Devices subject to this condition : D36]

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
PM emissions	Approved District method	District-approved averaging time	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 ESP fields.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984; RULE 404, 2-7-1986; RULE 405, 2-7-1986; 40CFR 60 Subpart J, 6-24-2008]



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

[Devices subject to this condition : D36]

D82.3 The operator shall install and maintain a CEMS to measure the following parameters:

CO concentration in ppmv

Oxygen concentration in percent volume

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

[Devices subject to this condition : D36]

D90.1 The operator shall periodically monitor the VOC concentration at the outlet of the carbon adsorber according to the following specifications:

The operator shall monitor once every day.

The operator shall use an appropriate analyzer in accordance with EPA test method 21 to monitor the parameter.

The operator shall calibrate the instrument used to monitor the parameter in ppmv methane.

[RULE 1178, 4-7-2006; RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 463, 5-6-2005; 40CFR 60 Subpart Kb, 10-15-2003; 40CFR 61 Subpart FF, 12-4-2003]

[Devices subject to this condition : C308, C310, C612, C613]

D90.2 The operator shall periodically monitor the pH of the scrubbing solution in the scrubber according to the following specifications:

The operator shall monitor once daily when the equipment is in service.



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

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

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 407, 4-2-1982; RULE 468, 10-8-1976; 40CFR 60 Subpart J, 6-24-2008]**

[Devices subject to this condition : D142]

D90.3 The operator shall continuously monitor the H<sub>2</sub>S concentration in the fuel gas before being burned in this device according to the following specifications:

The operator shall use an NSPS Subpart J approved instrument 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 H<sub>2</sub>S concentration at a single location for fuel combustion devices, if monitoring at this location accurately represents the concentration of H<sub>2</sub>S in the fuel gas being burned in this device.

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

[Devices subject to this condition : D3, D6, D8, D9, D12, D22, D38, D52, D53, D59, D60, D73, D74, D98, D377, D378, D429, D430, D768]

D90.4 The operator shall monitor the opacity at the stack according to the following specifications:

The operator shall maintain and operate the opacity meter and record the readings as required pursuant to 40CFR60, Subpart J at all times except during periods of required maintenance and malfunction of the opacity meter.

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

[Devices subject to this condition : D36]



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

D90.5 The operator shall monitor the VOC concentration at the outlet of the first carbon adsorber according to the following specifications:

The operator shall monitor the VOC concentration at the outlet of the first carbon adsorber whenever the tank vented to this equipment is being filled.

The operator shall use an appropriate analyzer to monitor the parameter.

The operator shall calibrate the instrument used to monitor the parameter in accordance with EPA test method 21 in ppmv methane.

[RULE 1178, 4-7-2006; 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 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 463, 5-6-2005; 40CFR 60 Subpart Kb, 10-15-2003; 40CFR 61 Subpart FF, 12-4-2003]

[Devices subject to this condition: C1207]

D90.10 The operator shall periodically monitor the vapor pressure of the material stored in this storage tank according to the following specifications:

The operator shall determine the true vapor pressure by one of the following methods: 1) record the tank contents and temperature once per month and use the organic liquid storage tank figure 7.1 series in AP-42; 2) sample and test the material stored, 3) derive the vapor pressure using engineering calculations, or 4) maintain on file a copy of the Material Safety Data Sheet (MSDS) of the material stored.

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

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



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

[Devices subject to this condition : D217, D218, D221, D252, D256, D259, D260, D262, D264, D272, D273, D274, D307, D309]

D90.11 The operator shall monitor and record the throughput of this storage tank according to the following specifications:

The operator shall install and maintain an automatic tank level gauge (ATLG) and recorder to continuously record the vertical movement of the roof. For the purpose of this condition, continuous recording is defined as once per hour.

The operator shall calculate the throughput, in barrels, by the following equation:  $0.14 \times D \times D \times L$ , where D is the diameter of the tank in feet based on the tank strapping chart and L is the total vertical one-way roof travel in feet per month.

The operator shall calculate the total one-way roof movement, in feet, on a daily and monthly basis.

The ATLG installed shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLG differs from the manual tank level measurement by more than 1.0 inch or 0.8%, whichever is greater, the ATLG shall be repaired and put back into service within 10 days. While the ATLG is being repaired, the throughput shall be determined by the hourly tank level data averaged from the previous 30 days prior to the discovery of the discrepancy.

In the event of a failure or routine maintenance of the ATLG, the ATLG shall be repaired (if necessary) and put back into service within 10 days of the time that the ATLG failed or was removed from service for maintenance. While the ATLG 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 ATLG went out of service.

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

[Devices subject to this condition : D258, D266]



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

D90.12 The operator shall monitor and record the throughput of this device according to the following specifications:

The throughput shall be derived by using engineering calculations using parameters obtained from process records, purchase records, shipping invoices, level gauging, etc.

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

[Devices subject to this condition : D196, D197, D252, D547]

D90.13 The operator shall periodically analyze the H<sub>2</sub>S concentration in the process gas streams vented to this device according to the following specifications:

The Alternative Monitoring Plan (AMP) approved by the United States Environmental Protection Agency (USEPA) on November 15, 2005 for the periodic analysis and reporting of H<sub>2</sub>S concentration for the process gas streams vented from the Catalytic Reformer Unit (CRU) to Heater 70-H-1/2/3.

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

[Devices subject to this condition : D74]

D90.14 The operator shall periodically monitor the VOC concentration at the outlet of the carbon canister according to the following specifications:

The operator shall monitor the VOC concentration at least once per month.

The operator shall use an approved analyzer in accordance with EPA Test Method 21 to monitor the parameter.

The operator shall calibrate the instrument used to monitor the parameter in ppmv methane.



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

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

**[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 : C1648]

D135.1 The operator shall inspect, adjust, and certify the ignition or fuel injection timing of this engine a minimum of once every 3 years of operation. Inspections, adjustments, and certifications shall be performed by a qualified mechanic and performed in accordance with the engine manufacturer's specifications and procedures.

**[RULE 2005, 5-6-2005]**

[Devices subject to this condition : D1021, D1022, D1259, D1305]

D232.1 The operator shall install and maintain a continuous emission monitoring device to accurately indicate the non-methane hydrocarbon concentration in the effluent from the onstream carbon bed when device D197 is not in idle status.

**[RULE 462, 5-14-1999]**

[Devices subject to this condition : C1029]

D238.1 All hydrofluoric acid sensors shall be electronically linked to the District's hydrofluoric acid emergency monitoring Central Station via a Remote Terminal Unit (RTU) which has been approved by the Executive Officer.



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

The RTU shall be operated such that an alarm message shall be transmitted to the District's Central Station via the RTU when any hydrofluoric acid sensor detects a concentration of 6 ppm or more of hydrofluoric acid.

All hydrofluoric acid sensors shall be calibrated monthly. Calibration reports shall be generated and electronically sent to the District's Central Station via the RTU in real time.

This condition shall not apply during the hydrofluoric acid sensor or RTU breakdown if all of the following requirement(s) are met:

1. The breakdown did not result from operator error, neglect, improper operation or poor maintenance.
2. Steps are immediately taken to repair or rectify the condition causing the breakdown.
3. The District Central Station or the Executive Officer is notified of the breakdown within 8 hours of its occurrence.

This condition shall not apply also during:

1. Routine quarterly maintenance of the affected equipment, with the prior approval of the Executive Officer.

[RULE 1401, 3-4-2005]

[Devices subject to this condition : D1008, D1011, D1137, D1138]

D322.1 The operator shall perform annual inspection of the equipment and filter media for leaks, broken or torn filter media, and improperly installed filter media.



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

**[RULE 1140, 2-1-1980; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984; RULE 404, 2-7-1986; RULE 405, 2-7-1986]**

[Devices subject to this condition : D946, E1391]

D322.2 The operator shall perform annual inspection of the equipment and filter media for leaks, broken or torn filter media, and improperly installed filter media.

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

**[RULE 1140, 2-1-1980; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984; RULE 404, 2-7-1986; RULE 405, 2-7-1986]**

[Devices subject to this condition : D1477]



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

**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 an annual basis, at least, unless the equipment did not operate during the entire annual period. The routine 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.



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

**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]**

[Devices subject to this condition : D23, D24, D25, D26, D27, D28, D29, D30, D31, D40, D41, D68, D69, D933, D934, D935, D936, D937, D938, D939, D1231, D1232, D1233]



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

**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 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.



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

**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]**

[Devices subject to this condition : D10, D11, D14, D15, C400, C401, C402, C403]

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 the 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 : D3, D6, D8, D12, D22, D52, D53, D98, D378, D429, D768]

D330.1 The operator shall have a person that has been trained in accordance with Rule 461 conduct a semi-annual inspection of the gasoline transfer and dispensing equipment. The first inspection shall be in accordance with Rule 461, Attachment B, the second inspection shall be in accordance with Rule 461, Attachment C, and the subsequent inspections shall alternate protocols. The operator shall keep records of the inspection and the repairs in accordance to Rule 461 and Section K of this Permit.

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 461, 6-3-2005; RULE 461, 3-7-2008]**

[Devices subject to this condition : D983]



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

D381.1 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 an annual basis, at least, unless the equipment did not operate during the entire annual period. The routine 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, the operator shall 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.

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; and
- 3). Date and time visible emission was abated.

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

[Devices subject to this condition : D946, E1391, D1477]

#### **E. Equipment Operation/Construction Requirements**

E71.1 The operator shall only use this equipment during FCC unit startup.

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

[Devices subject to this condition : D38]



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

E71.5 The operator shall only use plate-type catalyst in this equipment during operation.

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

[Devices subject to this condition : C13]

E73.1 Notwithstanding the requirements of Section E conditions, the operator may, at his discretion, choose not to use ammonia injection if:

The inlet temperature of the SCR reactor is below 475 Deg F.

The operator shall install and maintain a temperature gauge to accurately indicate the temperature at the inlet of the SCR bed. The operator shall also install and maintain a device to continuously record the temperature being measured.

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

[Devices subject to this condition : C431, C770]

E102.1 The operator shall discharge dust collected in this equipment only into closed containers.

The containers shall remain closed except when dust is being transferred out of the container.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984; RULE 404, 2-7-1986; RULE 405, 2-7-1986]

[Devices subject to this condition : C39, E1391]

E102.2 The operator shall discharge dust collected in this equipment only into closed containers.



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

[RULE 1140, 2-1-1980; RULE 1140, 8-2-1985]

[Devices subject to this condition : D1477]

E125.1 The operator shall drive all the 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.

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

[Devices subject to this condition : D1231, D1232, D1233]

E128.1 The operator shall keep all spent carbon in a tightly covered container which shall remain closed except when it is being transferred into or out of the container.

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

[Devices subject to this condition : C1207, C1648]

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 : D186, D190, D191, D449]

E153.1 The operator shall change over the carbon in the adsorber whenever breakthrough occurs.

For the purpose of this condition, breakthrough occurs when the hydrocarbon monitor reading indicates a concentration of 500 ppmv at the outlet of the operating carbon adsorber.



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

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

**[RULE 1178, 4-7-2006; RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 463, 5-6-2005; 40CFR 60 Subpart Kb, 10-15-2003; 40CFR 61 Subpart FF, 12-4-2003]**

[Devices subject to this condition : C308, C310, C612, C613, C1648]

E153.2 The operator shall change over the carbon in the adsorber whenever breakthrough occurs.

For the purpose of this condition, breakthrough occurs when the lab results of the grab sample analysis indicate VOC concentration of 500 ppmv or greater at the outlet of the first carbon adsorber.

The operator shall collect a sample using District grab sample method when a VOC monitoring instrument calibrated with methane indicates a concentration of 500 ppmv or greater at the outlet of the first carbon adsorber. The operator shall submit the sample for lab analysis within 24 hours.

Change-out shall occur within 48 hours after breakthrough.

When changing out the carbon, the operator shall remove the carbon adsorber in the first carbon adsorber (lead adsorber) position, move the second carbon adsorber (lag adsorber) to the lead adsorber position and place the fresh carbon in the lag carbon adsorber position.

Alternatively, the operator shall replace both the first and second carbon adsorbers with fresh carbon.

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



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

[RULE 1178, 4-7-2006; RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 463, 5-6-2005; 40CFR 60 Subpart Kb, 10-15-2003; 40CFR 61 Subpart FF, 12-4-2003]

[Devices subject to this condition : C1207]

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

All new gate valves 4" and smaller in hydrocarbon or sour gas service shall be sealed bellows type. All new globe valves 8" and smaller in hydrocarbon or sour gas service shall be sealed bellows type.

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

[Devices subject to this condition : D444, D445]

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

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

[40CFR 60 Subpart A, 5-16-2007]

[Devices subject to this condition : C400, C401, C402, C403]

E193.7 The operator shall restrict the operation of this equipment as follows:



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

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

In addition to maintenance and testing of this engine, this engine shall only be used for either providing electrical power to portable operations or emergency power to stationary sources.

Portable operations are those where it can be demonstrated that because of the nature of the operation, it is necessary to periodically move the equipment from one location to another.

Emergencies at stationary sources are those that result in an interruption of services of the primary power supply or during Stage II or III electrical emergencies declared by the California Independent System Operator.

[RULE 1470, 6-1-2007]

[Devices subject to this condition : D1639]

E202.2 The operator shall clean and maintain this equipment according to the following specifications:

The operator shall regularly wash the overhead structures and the 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]

[Devices subject to this condition : D23, D24, D25, D26, D27, D28, D29, D30, D31]

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

All acid gases under normal operating conditions shall be directed to the sulfur recovery unit(s) which is in full use and has a valid permit to receive vent gases from this equipment.

All emergency vent gases shall be directed to a blowdown flare system which is in full use and has a valid permit to receive vent gases from this equipment.



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

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

[Devices subject to this condition : D650, D835, D1252]

**H. Applicable Rules**

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

Contaminant	Rule	Rule/Subpart
H2S	District Rule	465
VOC	District Rule	465

[RULE 465, 8-13-1999]

[Devices subject to this condition : D849, D850, D894, D907, D1290, D1291, D1292, D1293, D1294, D1299]

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

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1176

[RULE 1176, 9-13-1996]

[Devices subject to this condition : D973, D977]

H23.4 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
VOC	District Rule	1176
VOC	40CFR60, SUBPART	QQQ

**[RULE 1176, 9-13-1996; 40CFR 60 Subpart QQQ, 10-17-2000]**

[Devices subject to this condition : D1468, D1469, D1470, D1471, D1472]

H23.5 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]**

[Devices subject to this condition : D3, D6, D8, D9, D12, D22, D38, D52, D53, D59, D60, D73, D74, D98, D377, D378, C400, C402, C403, D429, D430, D768]

H23.6 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	40CFR60, SUBPART	Ka

**[40CFR 60 Subpart Ka, 12-14-2000]**

[Devices subject to this condition : D217, D218, D268, D269, D270, D271, D272, D273, D274, D275]



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

H23.7 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	40CFR60, SUBPART	K

**[40CFR 60 Subpart K, 10-17-2000]**

[Devices subject to this condition : D255, D256, D257, D258, D259, D260, D261, D262, D263, D264, D265, D266]

H23.8 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
Refrigerants	District Rule	1415
Refrigerants	40CFR82, SUBPART	F

**[RULE 1415, 10-14-1994; 40CFR 82 Subpart F, 5-14-1993]**

[Devices subject to this condition : E1386]

H23.9 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
Chromium, Hexavalent	District Rule	1404

**[RULE 1404, 4-6-1990]**



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

[Devices subject to this condition : E1388]

H23.10 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
Halon	District Rule	1418

[RULE 1418, 9-10-1999]

[Devices subject to this condition : E1396]

H23.11 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	40CFR60, SUBPART	Kb

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

[Devices subject to this condition : D267, D448, D864, D868, D1460]

H23.12 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	40CFR60, SUBPART	Ka
VOC	District Rule	1149

[RULE 1149, 7-14-1995; RULE 1149, 5-2-2008; 40CFR 60 Subpart Ka, 12-14-2000]



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

[Devices subject to this condition : D221, D252]

H23.13 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	1178
VOC	40CFR60, SUBPART	Kb
Benzene	40CFR61, SUBPART	FF

[RULE 1178, 4-7-2006; RULE 463, 5-6-2005; 40CFR 60 Subpart Kb, 10-15-2003; 40CFR 61 Subpart FF, 12-4-2003]

[Devices subject to this condition : D253]

H23.14 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

[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 : D307, D309]



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

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

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

**[RULE 1173, 5-13-1994; RULE 1173, 6-1-2007; 40CFR 60 Subpart GGG, 6-2-2008]**

[Devices subject to this condition : D594, D708, D1327, D1328, D1342, D1348, D1351, D1363, D1364, D1649]

H23.17 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, 6-1-2007]**

[Devices subject to this condition : D872, D1310, D1312, D1314, D1317, D1318, D1319, D1321, D1323, D1325, D1331, D1333, D1334, D1336, D1337, D1338, D1339, D1340, D1341, D1343, D1344, D1345, D1346, D1347, D1352, D1354, D1355, D1357, D1358, D1365, D1366, D1367, D1368, D1369, D1370, D1418, D1442, D1623, D1624, D1625, D1626]

H23.19 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
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**The operator shall comply with the terms and conditions set forth below:**

VOC | District Rule | 462

[RULE 462, 5-14-1999]

[Devices subject to this condition : D197]

H23.20 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
Refrigerants	District Rule	1411
Refrigerants	40CFR82, SUBPART	B

[RULE 1411, 3-1-1991; 40CFR 82 Subpart B, 7-14-1992]

[Devices subject to this condition : E1389]

H23.21 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1122

[RULE 1122, 10-1-2004]

[Devices subject to this condition : E1387]

H23.23 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
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**The operator shall comply with the terms and conditions set forth below:**

PM | District Rule | 1140

[RULE 1140, 2-1-1980; RULE 1140, 8-2-1985]

[Devices subject to this condition : D1477]

H23.25 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 : D199, D201, D219, D220, D222, D223, D224, D252, D276, D307, D309]

H23.26 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
PM	District Rule	1470

[RULE 1470, 6-1-2007]

[Devices subject to this condition : D992, D993, D994, D995, D996, D997, D1021, D1022, D1259, D1305]

H23.29 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
HAPs	40CFR63, SUBPART	EEEE

**[40CFR 63 Subpart EEEE, 7-28-2006]**

[Devices subject to this condition : D185]

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

Contaminant	Rule	Rule/Subpart
SOX	District Rule	1118

**[RULE 1118, 11-4-2005]**

[Devices subject to this condition : C400, C401, C402, C403]

H23.31 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
PM	District Rule	1470
CO	40CFR60, SUBPART	III
NOX	40CFR60, SUBPART	III
PM	40CFR60, SUBPART	III
ROG	40CFR60, SUBPART	III
HAPs	40CFR63, SUBPART	ZZZZ



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

**[RULE 1470, 6-1-2007; 40CFR 60 Subpart IIII, 7-11-2006; 40CFR 63 Subpart ZZZZ, 1-18-2008]**

[Devices subject to this condition : D1639]

H116.2 The operator shall maintain the moisture content of coke in this equipment at least 12 percent in order to comply with SCAQMD Regulation XIII whenever this facility is in operation.

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

[Devices subject to this condition : D1231, D1232, D1233]

H116.4 The operator shall store petroleum coke in this equipment only in order to comply with SCAQMD Rule 1158 whenever this facility is in operation.

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

[Devices subject to this condition : D1231, D1232, D1233]

H116.5 The operator shall wash down daily the ground area below the Hydrobins to prevent accumulation of dust which may become airborne in order to comply with SCAQMD Rule 403 whenever this facility is in operation.

**[RULE 403, 4-2-2004; RULE 403, 6-3-2005]**

[Devices subject to this condition : D1231, D1232, D1233]

#### **I. Administrative**



## FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

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

- 11.1 The operator shall comply with all the requirements of the compliance schedule specified in Variance Case No. 3845-69, dated May 8, 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 : C401, C402, C403]

- 1296.1 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 : D1639]

#### **K. Record Keeping/Reporting**

- K67.1 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):



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

fuel rate and heating value of the fuel gas

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

[Devices subject to this condition : D12]

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

Date, time, fuel consumption and purpose of operation.

[RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996; RULE 2012, 5-6-2005]

[Devices subject to this condition : D992, D993, D994, D995, D996, D997, D1021, D1022, D1259, D1305]

K67.4 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

For architectural applications where no thinners, reducers, or other VOC containing materials are added, maintain semi-annual records for all coating consisting of (a) coating type, (b) VOC content as supplied in grams per liter (g/l) of materials for low-solids coatings, (c) VOC content as supplied in g/l of coating, less water and exempt solvent, for other coatings.

For architectural applications where thinners, reducers, or other VOC containing materials are added, maintain daily records for each coating consisting of (a) coating type, (b) VOC content as applied in grams per liter (g/l) of materials used for low-solids coatings, (c) VOC content as applied in g/l of coating, less water and exempt solvent, for other coatings.



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

**[RULE 1113, 11-8-1996; RULE 1113, 7-13-2007; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : E1394]

**K67.5** The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Daily inspections and maintenance of all the ammonia valves at this equipment

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

[Devices subject to this condition : D1009]

**K67.6** 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 1178, 4-7-2006; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 463, 5-6-2005]**

[Devices subject to this condition : D219, D220, D222, D223, D224, D234, D245, D253, D259, D269, D271, D274, D275, D276, D277, D278, D279, D283, D448, D864, D868, D974, D975, D979, D980, D981, D982]

**K67.7** The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):



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

Tank throughput in barrels per month.

Commodity/product stored and time period of its storage.

Vapor pressure, in psia, of each batch of commodity/product stored.

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

Other records that may be required to comply with the applicable requirements of District Rules 463, 1173 & 1178, and 40 CFR60, Subparts Kb & GGG.

Records shall be kept and maintained for at least five years, and shall be made available to the Executive Officer or his authorized representative upon request.

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

[Devices subject to this condition : D1460]

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

The name of the person performing the inspection and/or maintenance of the filter media

The date, time, and results of the inspection

The date, time, and description of any maintenance or repairs resulting from the inspection

[RULE 1140, 2-1-1980; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984; RULE 404, 2-7-1986; RULE 405, 2-7-1986]

[Devices subject to this condition : D946, E1391, D1477]



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

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

Monitoring data for VOC including measurement method used and date of analysis.

Date of replacement of carbon canister.

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

[Devices subject to this condition : C1207]

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

The required annual test may commence without prior approval from the District, if it is conducted according to a source test protocol previously approved by the District for this equipment. A copy of the approval letter shall be submitted to the District at least 30 days prior to the test.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 2011, 5-6-2005; RULE 2012, 5-6-2005]

[Devices subject to this condition : D9, D59, D60, D73, C431]