



FACILITY PERMIT TO OPERATE

**EQUILON ENTER. LLC, SHELL OIL PROD. US
20945 S WILMINGTON
CARSON, CA 90810**

NOTICE

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

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

Barry R. Wallerstein, D. Env.
EXECUTIVE OFFICER

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

**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:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: BLENDING SYSTEMS					
System 2: SOLVENT BLENDING					
TANK, FIXED ROOF, BLENDING, T-6001, SOLVENT, WITH 1-HP. MIXER, 5000 GALS; DIAMETER: 9 FT ; HEIGHT: 11 FT A/N: 349354	D27				H23.18
TANK, FIXED ROOF, BLENDING, T-6002, SOLVENT, WITH 2-HP. MIXER, 10000 GALS; DIAMETER: 12 FT ; HEIGHT: 11 FT 6 IN A/N: 349354	D28				H23.18
DRUM, SLOP, 55 GALLONS A/N: 349354	D29				H23.18
TANK, BLENDING, V-199, 5400 GALS; DIAMETER: 7 FT ; HEIGHT: 20 FT A/N: 349354	D30				H23.18
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 349354	D856				H23.5, H23.18
System 3: CHEMICAL BLENDING					
TANK, MIX, NO. 9-1, PHARMACEUTICAL, 4400 GALS; DIAMETER: 9 FT ; HEIGHT: 9 FT A/N: 406322	D31				
TANK, MIX, NO. 11-1, PHARMACEUTICAL, WITH AN AIR MIXER, 6600 GALS; DIAMETER: 11 FT ; HEIGHT: 9 FT A/N: 406322	D32				H23.18

* (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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Process 1: BLENDING SYSTEMS					
TANK, MIX, NO. 12-8, ISOPROPYL ALCOHOL, 10500 GALS; DIAMETER: 12 FT ; HEIGHT: 12 FT A/N: 406322	D33	D330 D763			C1.20, E336.2
TANK, MIX, NO. 7003, SDA ANHYDROUS, WITH 1-HP. MIXER, 4900 GALS; DIAMETER: 9 FT ; HEIGHT: 10 FT A/N: 406322	D34				
TANK, MIX, NO. 7004, SOLVENT ANHYDROUS, WITH 1-HP. MIXER, 4900 GALS; DIAMETER: 9 FT ; HEIGHT: 10 FT A/N: 406322	D35				
TANK, WEIGH, NO. 7005, DENATURANT, 460 GALS; DIAMETER: 5 FT ; HEIGHT: 2 FT 6 IN A/N: 406322	D36				
POT, MIX, 90 GALS A/N: 406322	D37				
FILTER, EA-190, ALCOHOL A/N: 406322	D38				
FILTER, ANHYDROUS ALCOHOL, HEIGHT: 4 FT 2 IN; DIAMETER: 1 FT 4 IN A/N: 406322	D39				
FILTER, SDA-40, HEIGHT: 4 FT 2 IN; DIAMETER: 1 FT 4 IN A/N: 406322	D40				

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Process 1: BLENDING SYSTEMS					
TANK, MIX, NO. 12-7, LOW NOX FUEL, 10500 GALS; DIAMETER: 12 FT ; HEIGHT: 12 FT A/N: 406322	D41				C1.21, E71.5, E336.2
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 406322	D857				H23.5, H23.18
Process 2: OIL WATER SEPARATORS					
System 3: STORM WATER/SALINE WATER HANDLING SYSTEM					
TANK, AIR FLOTATION, V-1642, WASTE WATER, WITH 1 1/2 H.P. SCRAPER, 3700 BBL; DIAMETER: 44 FT ; HEIGHT: 13 FT 8 IN A/N: 349451	D51				
Process 3: STORAGE TANKS					
System 1: FIXED ROOF TANKS					
STORAGE TANK, FIXED ROOF, NO. 12-14, 15200 GALS; DIAMETER: 12 FT ; HEIGHT: 18 FT A/N: 393087	D71				B59.1, C1.22, E17.3, E336.2, H23.18
STORAGE TANK, FIXED ROOF, NO. T-12-1, 360 BBL; DIAMETER: 12 FT ; HEIGHT: 12 FT A/N: 349349	D72				H23.18, K67.1
STORAGE TANK, FIXED ROOF, NO. TK-5-1, 5000 GALS; DIAMETER: 5 FT ; HEIGHT: 7 FT A/N: 349338	D73				H23.18, K67.1
STORAGE TANK, FIXED ROOF, NO. T-12-2, 360 BBL; DIAMETER: 12 FT ; HEIGHT: 12 FT A/N: 348895	D74				H23.18, K67.1

- | | |
|---|---|
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Process 3: STORAGE TANKS					
STORAGE TANK, FIXED ROOF, NO. TK-8-1, 5000 GALS; DIAMETER: 8 FT ; HEIGHT: 13 FT 6 IN A/N: 349332	D75				B22.2, H23.18, K67.1
STORAGE TANK, FIXED ROOF, NO. 12-16, 360 BBL; DIAMETER: 12 FT ; HEIGHT: 18 FT A/N: 348899	D76				H23.18, K67.1
STORAGE TANK, FIXED ROOF, NO. T-12-3, 360 BBL; DIAMETER: 12 FT ; HEIGHT: 12 FT A/N: 348896	D77				H23.18, K67.1
STORAGE TANK, FIXED ROOF, NO. TK-8-2, 5000 GALS; DIAMETER: 8 FT ; HEIGHT: 13 FT 6 IN A/N: 349336	D78				B22.3, H23.18, K67.1
STORAGE TANK, FIXED ROOF, NO. T-12-17, 360 BBL; DIAMETER: 12 FT ; HEIGHT: 18 FT A/N: 348902	D79				H23.18, K67.1
STORAGE TANK, FIXED ROOF, NO. T-12-4, 360 BBL; DIAMETER: 12 FT ; HEIGHT: 12 FT A/N: 348897	D80				H23.18, K67.1
STORAGE TANK, FIXED ROOF, NO. TK-8-3, 5000 GALS; DIAMETER: 8 FT ; HEIGHT: 13 FT 6 IN A/N: 349335	D81				B22.4, H23.18, K67.1
STORAGE TANK, FIXED ROOF, NO. T-12-18, 360 BBL; DIAMETER: 12 FT ; HEIGHT: 18 FT A/N: 349315	D82				H23.18, K67.1

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Process 3: STORAGE TANKS					
STORAGE TANK, FIXED ROOF, NO. T-12-5, 10105 GALS; DIAMETER: 12 FT ; HEIGHT: 12 FT A/N: 349491	D83				H23.18, K67.1
STORAGE TANK, FIXED ROOF, NO. T-12-19, 350 BBL; DIAMETER: 12 FT ; HEIGHT: 18 FT A/N: 349499	D84				H23.18, K67.1
STORAGE TANK, FIXED ROOF, NO. 12-6, 10116 GALS; DIAMETER: 12 FT ; HEIGHT: 12 FT A/N: 393088	D85				B59.1, C1.23, E17.2, E336.2, H23.18
STORAGE TANK, FIXED ROOF, NO. T-12-20, 360 BBL; DIAMETER: 12 FT ; HEIGHT: 18 FT A/N: 348890	D86				H23.18, K67.1
STORAGE TANK, FIXED ROOF, NO. T-12-21, 350 BBL; DIAMETER: 12 FT ; HEIGHT: 18 FT A/N: 349500	D87				H23.18, K67.1
STORAGE TANK, FIXED ROOF, NO. T-12-22, 350 BBL; DIAMETER: 12 FT ; HEIGHT: 18 FT A/N: 349501	D88				H23.18, K67.1
STORAGE TANK, FIXED ROOF, NO. T-12-105, 360 BBL; DIAMETER: 12 FT ; HEIGHT: 18 FT A/N: 349502	D89				H23.18, K67.1
STORAGE TANK, FIXED ROOF, NO. T-12-106, 360 BBL; DIAMETER: 12 FT ; HEIGHT: 18 FT A/N: 349503	D90				H23.18, K67.1

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Process 3: STORAGE TANKS					
STORAGE TANK, FIXED ROOF, NO. T-12-107, 360 BBL; DIAMETER: 12 FT ; HEIGHT: 18 FT A/N: 349504	D91				H23.18, K67.1
STORAGE TANK, FIXED ROOF, TK. 18-2, 44700 GALS; DIAMETER: 18 FT ; HEIGHT: 23 FT 6 IN A/N: 349466	D92				H23.18, K67.1
STORAGE TANK, FIXED ROOF, NO. 18-3, 44700 GALS; DIAMETER: 18 FT ; HEIGHT: 23 FT 6 IN A/N: 348878	D93				B59.1, C1.24, E336.2, H23.18
STORAGE TANK, FIXED ROOF, NO. 18-4, 44700 GALS; DIAMETER: 18 FT ; HEIGHT: 23 FT 6 IN A/N: 348877	D94				B59.1, C1.24, E336.2, H23.18
STORAGE TANK, FIXED ROOF, NO. 18-5, 44700 GALS; DIAMETER: 18 FT ; HEIGHT: 23 FT 6 IN A/N: 348876	D95				B59.1, C1.24, E336.2, H23.18
STORAGE TANK, FIXED ROOF, T-18-6, 44350 GALS; DIAMETER: 18 FT ; HEIGHT: 23 FT 2 IN A/N: 457088	D96				B59.1, E336.2, H23.18, K67.1
STORAGE TANK, FIXED ROOF, T-18-7, 44800 GALS; DIAMETER: 18 FT ; HEIGHT: 23 FT 6 IN A/N: 349508	D97				H23.18, K67.1
STORAGE TANK, FIXED ROOF, T-18-8, 44800 GALS; DIAMETER: 18 FT ; HEIGHT: 23 FT 6 IN A/N: 349509	D98				H23.18, K67.1

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Process 3: STORAGE TANKS					
STORAGE TANK, FIXED ROOF, NO. 18-9, 44700 GALS; DIAMETER: 18 FT ; HEIGHT: 23 FT 6 IN A/N: 406325	D99				B59.1, C1.24, E336.2, H23.18
STORAGE TANK, FIXED ROOF, NO. 18-11, ACETONE, 45600 GALS; DIAMETER: 18 FT ; HEIGHT: 24 FT A/N: 406326	D100				E336.2
STORAGE TANK, FIXED ROOF, NO. 18-12, ACETONE, 45600 GALS; DIAMETER: 18 FT ; HEIGHT: 24 FT A/N: 406328	D101				E336.2
STORAGE TANK, FIXED ROOF, NO. 18-13, 44700 GALS; DIAMETER: 18 FT ; HEIGHT: 23 FT 6 IN A/N: 406329	D102				B59.1, C1.24, E336.2, H23.18
STORAGE TANK, FIXED ROOF, NO. 18-14, 45600 GALS; DIAMETER: 18 FT ; HEIGHT: 24 FT A/N: 348875	D103				B59.1, C1.25, E336.2, H23.18
STORAGE TANK, FIXED ROOF, TK NO. 18-15, 1080 BBL; DIAMETER: 18 FT ; HEIGHT: 23 FT 6 IN A/N: 351167	D104				H23.18, K67.1
STORAGE TANK, FIXED ROOF, NO. 18-16, 44700 GALS; DIAMETER: 18 FT ; HEIGHT: 23 FT 6 IN A/N: 406334	D105				B59.1, C1.24, E336.2, H23.18
STORAGE TANK, FIXED ROOF, TK. 18-17, 44700 GALS; DIAMETER: 18 FT ; HEIGHT: 23 FT 6 IN A/N: 349467	D106				H23.18, K67.1

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Process 3: STORAGE TANKS					
STORAGE TANK, FIXED ROOF, TK. 18-18, 44700 GALS; DIAMETER: 18 FT ; HEIGHT: 23 FT 6 IN A/N: 349468	D107				H23.18, K67.1
STORAGE TANK, FIXED ROOF, TK. 18-20, 44800 GALS; DIAMETER: 18 FT ; HEIGHT: 23 FT 6 IN A/N: 349514	D108				H23.18, K67.1
STORAGE TANK, FIXED ROOF, TK. 18-21, 1060 BBL; DIAMETER: 18 FT ; HEIGHT: 23 FT 6 IN A/N: 349497	D109				H23.18, K67.1
STORAGE TANK, FIXED ROOF, TK. 18-22, 1060 BBL; DIAMETER: 18 FT ; HEIGHT: 23 FT 6 IN A/N: 349494	D110				H23.18, K67.1
STORAGE TANK, FIXED ROOF, TK. 18-23, 1060 BBL; DIAMETER: 18 FT ; HEIGHT: 23 FT 6 IN A/N: 349496	D111				H23.18, K67.1
STORAGE TANK, FIXED ROOF, TK. 18-24, 44700 GALS; DIAMETER: 18 FT ; HEIGHT: 23 FT 6 IN A/N: 349483	D112				H23.18, K67.1
STORAGE TANK, FIXED ROOF, TK. 18-25, 44700 GALS; DIAMETER: 18 FT ; HEIGHT: 23 FT 6 IN A/N: 349469	D113				H23.18, K67.1
STORAGE TANK, FIXED ROOF, TK. 18-26, 44700 GALS; DIAMETER: 18 FT ; HEIGHT: 23 FT 6 IN A/N: 349471	D114				H23.18, K67.1

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Process 3: STORAGE TANKS					
STORAGE TANK, FIXED ROOF, TK. 18-27, 44700 GALS; DIAMETER: 18 FT ; HEIGHT: 23 FT 6 IN A/N: 349484	D115				H23.18, K67.1
STORAGE TANK, FIXED ROOF, NO. 18-28, 44700 GALS; DIAMETER: 18 FT ; HEIGHT: 23 FT 6 IN A/N: 348874	D116				B59.1, C1.24, E336.2, H23.18
STORAGE TANK, FIXED ROOF, TK. 18-29, 44753 GALS; DIAMETER: 18 FT ; HEIGHT: 23 FT 6 IN A/N: 349472	D117				B22.10, B27.1, K67.1
STORAGE TANK, FIXED ROOF, NO. 20-3, 45200 GALS; DIAMETER: 20 FT ; HEIGHT: 19 FT 3 IN A/N: 393089	D118				B59.1, C1.25, E336.2, H23.18
STORAGE TANK, FIXED ROOF, TK. 18-30, 44700 GALS; DIAMETER: 18 FT ; HEIGHT: 23 FT 6 IN A/N: 349465	D119				H23.18, K67.1
STORAGE TANK, FIXED ROOF, NO. 20-4, 45200 GALS; DIAMETER: 20 FT ; HEIGHT: 19 FT 3 IN A/N: 393090	D120				B59.1, C1.10, C1.25, E336.2, H23.18
STORAGE TANK, FIXED ROOF, TK. T-18-31, 45700 GALS; DIAMETER: 18 FT ; HEIGHT: 24 FT 2 IN A/N: 351168	D121				H23.18, K67.1
STORAGE TANK, FIXED ROOF, NO. 20-5, 45200 GALS; DIAMETER: 20 FT ; HEIGHT: 19 FT 3 IN A/N: 393091	D122				B59.1, C1.25, E17.2, E336.2, H23.18

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Process 3: STORAGE TANKS					
STORAGE TANK, FIXED ROOF, TK. 18-32, 45000 GALS; DIAMETER: 18 FT ; HEIGHT: 23 FT 8 IN A/N: 351171	D123				H23.18, K67.1
STORAGE TANK, FIXED ROOF, NO. 30-1, 158600 GALS; DIAMETER: 30 FT ; HEIGHT: 30 FT A/N: 393092	D124				B59.1, C1.26, E336.2, H23.18
STORAGE TANK, FIXED ROOF, TK. T-18-33, 44940 GALS; DIAMETER: 18 FT ; HEIGHT: 23 FT 8 IN A/N: 457089	D125				B59.1, E336.2, H23.18, K67.1
STORAGE TANK, FIXED ROOF, NO. 30-2, 158600 GALS; DIAMETER: 30 FT ; HEIGHT: 30 FT A/N: 393093	D126				B59.1, C1.26, E336.2, H23.18
STORAGE TANK, FIXED ROOF, TK. 18-37, 1070 BBL; DIAMETER: 18 FT ; HEIGHT: 24 FT A/N: 351170	D127				H23.18, K67.1
STORAGE TANK, FIXED ROOF, NO. 30-3, ACETONE, 158760 GALS; DIAMETER: 30 FT ; HEIGHT: 30 FT A/N: 393094	D128				E336.2
STORAGE TANK, FIXED ROOF, NO. 20-1, 45200 GALS; DIAMETER: 20 FT ; HEIGHT: 19 FT 3 IN A/N: 393095	D129				B59.1, C1.25, E336.2, H23.18
STORAGE TANK, FIXED ROOF, NO. 30-4, 158600 GALS; DIAMETER: 30 FT ; HEIGHT: 30 FT A/N: 393097	D130				B59.1, C1.26, E17.1, E336.2, H23.18

* (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 EQUILON ENTER. LLC, SHELL OIL PROD. US

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
Process 3: STORAGE TANKS					
STORAGE TANK, FIXED ROOF, NO. 20-2, 45200 GALS; DIAMETER: 20 FT ; HEIGHT: 19 FT 3 IN A/N: 393098	D131				B59.1, C1.25, E336.2, H23.18
STORAGE TANK, FIXED ROOF, NO. 30-5, 158600 GALS; DIAMETER: 30 FT ; HEIGHT: 30 FT A/N: 393100	D132				B59.1, C1.26, E17.1, E336.2, H23.18
STORAGE TANK, FIXED ROOF, NO. 30-6, 158600 GALS; DIAMETER: 30 FT ; HEIGHT: 30 FT A/N: 393101	D133				B59.1, C1.26, E17.1, E336.2, H23.18
STORAGE TANK, FIXED ROOF, NO. 30-7, 158600 GALS; DIAMETER: 30 FT ; HEIGHT: 30 FT A/N: 393104	D134				B59.1, C1.26, E17.1, E336.2, H23.18
STORAGE TANK, FIXED ROOF, TK.30-8, 158600 GALS; DIAMETER: 30 FT ; HEIGHT: 30 FT WITH A/N: 462891 HEATER, ELECTRIC	D135				C1.47, C6.6, E71.9, K67.1
STORAGE TANK, FIXED ROOF, TK.30-9, 157816 GALS; DIAMETER: 30 FT ; HEIGHT: 30 FT WITH A/N: 462890 HEATER, ELECTRIC	D136				C1.48, C6.6, E71.9, K67.1
STORAGE TANK, FIXED ROOF, TK.30-10, 158600 GALS; DIAMETER: 30 FT ; HEIGHT: 30 FT 2 IN A/N: 457090	D137				B59.1, E336.2, H23.18, K67.1

- * (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.)
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 3: STORAGE TANKS					
STORAGE TANK, FIXED ROOF, TK.30-11, XYLENE, CS-53, CS-63, OR BLENDS, 158600 GALS; DIAMETER: 30 FT ; HEIGHT: 30 FT A/N: 349480	D138				K67.1
STORAGE TANK, FIXED ROOF, TK.30-12, 158600 GALS; DIAMETER: 30 FT ; HEIGHT: 30 FT A/N: 349464	D139				K67.1
STORAGE TANK, FIXED ROOF, TK.30-13, MS-340, MS-140, SOL 70, SOL 71, SOL 72, OR BLENDS, 159900 GALS; DIAMETER: 30 FT ; HEIGHT: 30 FT 3 IN A/N: 349485	D140				K67.1
STORAGE TANK, FIXED ROOF, TK.48-1A, 9600 BBL; DIAMETER: 48 FT ; HEIGHT: 30 FT A/N: 351175	D141				K67.1
STORAGE TANK, FIXED ROOF, TK.48-3, 9600 BBL; DIAMETER: 48 FT ; HEIGHT: 30 FT A/N: 349505	D142				K67.1
STORAGE TANK, FIXED ROOF, T-48-4, 406000 GALS; DIAMETER: 48 FT ; HEIGHT: 30 FT A/N: 349324	D143				K67.1
STORAGE TANK, FIXED ROOF, T-48-6, 409500 GALS; DIAMETER: 48 FT ; HEIGHT: 30 FT 1 IN A/N: 349325	D144				K67.1

* (1) (1A) (1B) Denotes RECLAIM emission factor
(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits
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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
Process 3: STORAGE TANKS					
STORAGE TANK, FIXED ROOF, TK-48-7, 9650 BBL; DIAMETER: 48 FT ; HEIGHT: 30 FT A/N: 348892	D145				K67.1
STORAGE TANK, FIXED ROOF, TANK 574, 79750 BBL; DIAMETER: 117 FT 2 IN; HEIGHT: 41 FT 6 IN A/N: 349362	D152				B22.5, C1.37
STORAGE TANK, FIXED ROOF, TANK 575, 80423 BBL; DIAMETER: 117 FT 5 IN; HEIGHT: 41 FT 10 IN A/N: 349375	D153				B22.6, C1.38
STORAGE TANK, FIXED ROOF, TANK 578, 79398 BBL; DIAMETER: 117 FT 2 IN; HEIGHT: 41 FT 10 IN A/N: 349436	D154				B22.7, C1.38
STORAGE TANK, FIXED ROOF, TANK 579, 80390 BBL; DIAMETER: 117 FT 4 IN; HEIGHT: 41 FT A/N: 349365	D155				B22.6, C1.38
STORAGE TANK, FIXED ROOF, TANK 587, 117012 BBL; DIAMETER: 144 FT 3 IN; HEIGHT: 40 FT 6 IN A/N: 349371	D156				B22.6, C1.38
STORAGE TANK, FIXED ROOF, TANK 589, 117023 BBL; DIAMETER: 144 FT 1 IN; HEIGHT: 40 FT 6 IN A/N: 349370	D157				B22.6, C1.38
STORAGE TANK, FIXED ROOF, TANK 720, 112099 BBL; DIAMETER: 144 FT 1 IN; HEIGHT: 40 FT 6 IN A/N: 349369	D158				B22.6, C1.38

- * (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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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 3: STORAGE TANKS					
STORAGE TANK, FIXED ROOF, TANK 721, 115915 BBL; DIAMETER: 144 FT 1 IN; HEIGHT: 42 FT 2 IN A/N: 349367	D159				B22.6, C1.38
STORAGE TANK, FIXED ROOF, TANK 722, 115653 BBL; DIAMETER: 144 FT ; HEIGHT: 42 FT A/N: 349357	D160				B22.6, C1.38
STORAGE TANK, FIXED ROOF, TANK 723, 117327 BBL; DIAMETER: 144 FT 1 IN; HEIGHT: 40 FT 6 IN A/N: 349355	D161				B22.6, C1.38
STORAGE TANK, FIXED ROOF, NO. 6003A, 12900 GALS; DIAMETER: 20 FT ; HEIGHT: 22 FT A/N: 393105	D162				B59.1, C1.27, E336.2, H23.18
STORAGE TANK, FIXED ROOF, TANK 6003 B, 12600 GALS; DIAMETER: 20 FT ; HEIGHT: 22 FT A/N: 351176	D163				H23.18, K67.1
STORAGE TANK, FIXED ROOF, NO. 6003C, 12600 GALS; DIAMETER: 20 FT ; HEIGHT: 22 FT A/N: 393106	D164				B59.1, C1.27, E336.2, H23.18
STORAGE TANK, FIXED ROOF, NO. 6003D, 12600 GALS; DIAMETER: 20 FT ; HEIGHT: 22 FT A/N: 393107	D165				B59.1, C1.27, E336.2, H23.18
STORAGE TANK, FIXED ROOF, NO. 6004, 42300 GALS; DIAMETER: 20 FT ; HEIGHT: 18 FT A/N: 393108	D166				B59.1, C1.28, E17.3, E336.2, H23.18

- * (1) (1A) (1B) Denotes RECLAIM emission factor
 (2) (2A) (2B) Denotes RECLAIM emission rate
 (3) Denotes RECLAIM concentration limit
 (4) Denotes BACT emission limit
 (5) (5A) (5B) Denotes command and control emission limit
 (6) Denotes air toxic control rule limit
 (7) Denotes NSR applicability limit
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (9) See App B for Emission Limits
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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
Process 3: STORAGE TANKS					
STORAGE TANK, FIXED ROOF, NO. 7001A, 42300 GALS; DIAMETER: 20 FT ; HEIGHT: 18 FT A/N: 393109	D167				B59.1, C1.29, E17.2, E336.2, H23.18
STORAGE TANK, FIXED ROOF, NO. 7002, 42000 GALS; DIAMETER: 20 FT ; HEIGHT: 18 FT A/N: 393110	D168				B59.1, C1.28, E17.2, E336.2, H23.18
STORAGE TANK, FIXED ROOF, NO. T-12-15, 360 BBL; DIAMETER: 12 FT ; HEIGHT: 18 FT A/N: 348898	D169				H23.18, K67.1
STORAGE TANK, FIXED ROOF, NO. T-18-1, 44700 GALS; DIAMETER: 18 FT ; HEIGHT: 23 FT 6 IN A/N: 349487	D172				H23.18, K67.1
STORAGE TANK, FIXED ROOF, NO. 588, 117011 BBL; DIAMETER: 144 FT ; HEIGHT: 40 FT 6 IN A/N: 349414	D173				K67.1
STORAGE TANK, FIXED ROOF, NO. 580, 117875 BBL; DIAMETER: 144 FT 4 IN; HEIGHT: 40 FT 10 IN A/N: 349439	D746				B22.8, C1.38
STORAGE TANK, FIXED ROOF, NO. 582, 115916 BBL; DIAMETER: 144 FT 3 IN; HEIGHT: 40 FT 2 IN A/N: 349441	D353				B22.8, C1.37
STORAGE TANK, FIXED ROOF, NO. 585, 116998 BBL; DIAMETER: 144 FT ; HEIGHT: 40 FT 6 IN A/N: 349440	D354				B22.8, C1.37

- * (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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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 3: STORAGE TANKS					
STORAGE TANK, FIXED ROOF, NO. 6009, 42275 GALS; DIAMETER: 20 FT ; HEIGHT: 18 FT A/N: 349455	D758				B22.9, B27.1, K67.1
STORAGE TANK, FIXED ROOF, NO.6010, 42085 GALS; DIAMETER: 20 FT ; HEIGHT: 18 FT A/N: 349462	D759				B22.9, B27.1, K67.1
STORAGE TANK, FIXED ROOF, NO. 18-10, 45203 GALS; DIAMETER: 18 FT ; HEIGHT: 23 FT 6 IN A/N: 348873	D760				B59.1, C1.25, E336.2, H23.18
STORAGE TANK, FIXED ROOF, NO. 18-19, ORGANIC LIQUID, 44753 GALS; DIAMETER: 18 FT ; HEIGHT: 24 FT A/N: 349456	D761				H23.18
STORAGE TANK, FIXED ROOF, NO. 48-2, 403200 GALS; DIAMETER: 48 FT ; HEIGHT: 30 FT A/N: 348872	D762				B59.1, C1.30, E336.2, H23.18
STORAGE TANK, FIXED ROOF, NO. 581, DIESEL FUEL, 115916 BBL; DIAMETER: 144 FT 3 IN; HEIGHT: 40 FT 2 IN A/N: 349463	D352				K67.1
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 393087	D858				H23.5, H23.18
System 2: INTERNAL FLOATING ROOF TANKS					S13.2

- * (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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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 3: STORAGE TANKS					
STORAGE TANK, RIVETED SHELL, INTERNAL FLOATING ROOF, NO. 505, 80143 BBL; DIAMETER: 117 FT 3 IN; HEIGHT: 41 FT 10 IN WITH A/N: 501511 FLOATING ROOF, PAN PRIMARY SEAL, METALLIC SHOE SECONDARY SEAL, RIM MOUNTED	D174				B22.5, C1.37, C6.1, H23.13
STORAGE TANK, INTERNAL FLOATING ROOF, NO. 506, 79183 BBL; DIAMETER: 117 FT 3 IN; HEIGHT: 41 FT 6 IN WITH A/N: FLOATING ROOF, PONTOON, RIVETED SHELL PRIMARY SEAL, WIPER TYPE SECONDARY SEAL, WIPER TYPE	D175				B22.5, C1.37, C6.1, H23.13

* (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
Process 3: STORAGE TANKS					
STORAGE TANK, INTERNAL FLOATING ROOF, NO. 511, WITH A 25 H.P. MIXER, 79008 BBL; DIAMETER: 117 FT 2 IN; HEIGHT: 41 FT 5 IN WITH A/N: FLOATING ROOF, PONTOON, RIVETED SHELL PRIMARY SEAL, WIPER TYPE SECONDARY SEAL, WIPER TYPE	D176				B22.5, C1.37, C6.1, H23.13
STORAGE TANK, INTERNAL FLOATING ROOF, NO. 513, 70692 BBL; DIAMETER: 117 FT 4 IN; HEIGHT: 41 FT 9 IN WITH A/N: 349408 FLOATING ROOF, PAN, WELDED SHELL PRIMARY SEAL, METALLIC SHOE SECONDARY SEAL, WIPER TYPE	D177				B22.5, C1.37, C6.1, H23.13

- * (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
Process 3: STORAGE TANKS					
STORAGE TANK, INTERNAL FLOATING ROOF, NO. 514, 69571 BBL; DIAMETER: 117 FT 4 IN; HEIGHT: 41 FT 6 IN WITH A/N: 349407 FLOATING ROOF, PAN, WELDED SHELL PRIMARY SEAL, METALLIC SHOE SECONDARY SEAL, WIPER TYPE	D178				B22.5, C1.37, C6.1, H23.13
STORAGE TANK, INTERNAL FLOATING ROOF, NO. 560, 80044 BBL; DIAMETER: 117 FT 2 IN; HEIGHT: 42 FT WITH A/N: 349400 FLOATING ROOF, PAN, WELDED SHELL PRIMARY SEAL, METALLIC SHOE SECONDARY SEAL, WIPER TYPE	D179				B22.5, C1.37, C6.1, H23.13

* (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
Process 3: STORAGE TANKS					
STORAGE TANK, INTERNAL FLOATING ROOF, NO. 561, 79251 BBL; DIAMETER: 117 FT 3 IN; HEIGHT: 41 FT 6 IN WITH A/N: 349401 FLOATING ROOF, PAN, WELDED SHELL PRIMARY SEAL, METALLIC SHOE SECONDARY SEAL, WIPER TYPE	D180				B22.5, C1.37, C6.1, H23.13
STORAGE TANK, INTERNAL FLOATING ROOF, NO. 564, 80042 BBL; DIAMETER: 117 FT ; HEIGHT: 42 FT WITH A/N: 349405 FLOATING ROOF, PAN, WELDED SHELL PRIMARY SEAL, WIPER TYPE SECONDARY SEAL, WIPER TYPE	D181				B22.5, C1.37, C6.1, H23.13

* (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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Process 3: STORAGE TANKS					
STORAGE TANK, INTERNAL FLOATING ROOF, NO. 565, 78819 BBL; DIAMETER: 117 FT 2 IN; HEIGHT: 42 FT 7 IN WITH A/N: 349406 FLOATING ROOF, PAN, WELDED SHELL PRIMARY SEAL, WIPER TYPE SECONDARY SEAL, WIPER TYPE	D182				B22.5, C1.37, C6.1, H23.13
STORAGE TANK, INTERNAL FLOATING ROOF, NO. 570, WITH A 20 H.P. MIXER, 80000 BBL; DIAMETER: 117 FT ; HEIGHT: 41 FT 5 IN WITH A/N: FLOATING ROOF, PONTOON, RIVETED SHELL PRIMARY SEAL, WIPER TYPE SECONDARY SEAL, WIPER TYPE	D183				B22.5, C1.37, H23.13

* (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
Process 3: STORAGE TANKS					
STORAGE TANK, RIVETED SHELL, INTERNAL FLOATING ROOF, NO. 577, 80488 BBL; DIAMETER: 117 FT 5 IN; HEIGHT: 41 FT 10 IN WITH A/N: FLOATING ROOF, PONTOON PRIMARY SEAL, WIPER TYPE SECONDARY SEAL, WIPER TYPE	D184				B22.5, C1.37, C6.1, H23.13
STORAGE TANK, INTERNAL FLOATING ROOF, NO. 583, DIESEL, 117875 BBL; DIAMETER: 144 FT 2 IN; HEIGHT: 40 FT 6 IN WITH A/N: FLOATING ROOF, PONTOON, RIVETED SHELL PRIMARY SEAL, WIPER TYPE SECONDARY SEAL, WIPER TYPE	D185				B22.6

* (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
EQUILON ENTER. LLC, SHELL OIL PROD. US**

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
Process 3: STORAGE TANKS					
STORAGE TANK, RIVETED SHELL, INTERNAL FLOATING ROOF, NO. 733, 117302 BBL; DIAMETER: 144 FT 2 IN; HEIGHT: 40 FT 2 IN WITH A/N: 509406 FLOATING ROOF, PAN PRIMARY SEAL, METALLIC SHOE SECONDARY SEAL, WIPER TYPE	D355				C1.37, C6.1, E71.8, H23.13
STORAGE TANK, INTERNAL FLOATING ROOF, NO. 502, 78963 BBL; DIAMETER: 117 FT 4 IN; HEIGHT: 41 FT 5 IN WITH A/N: 349438 FLOATING ROOF, PAN, WELDED SHELL PRIMARY SEAL, METALLIC SHOE SECONDARY SEAL, WIPER TYPE	D356				B22.5, C1.37, C6.2, H23.13

* (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
Process 3: STORAGE TANKS					
STORAGE TANK, INTERNAL FLOATING ROOF, NO. 586, 104046 BBL; DIAMETER: 144 FT 2 IN; HEIGHT: 40 FT 1 IN WITH A/N: 349326 FLOATING ROOF, PAN, WELDED SHELL PRIMARY SEAL, METALLIC SHOE SECONDARY SEAL, WIPER TYPE	D357				B22.6, C1.37
STORAGE TANK, INTERNAL FLOATING ROOF, NO. 508, 80000 BBL; DIAMETER: 117 FT 3 IN; HEIGHT: 41 FT 10 IN WITH A/N: 349413 FLOATING ROOF, PAN, WELDED SHELL PRIMARY SEAL, METALLIC SHOE SECONDARY SEAL, RIM MOUNTED	D186				B22.5, C1.37, C6.1, H23.13

- * (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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 3: STORAGE TANKS					
STORAGE TANK, INTERNAL FLOATING ROOF, TANK 512, 80000 BBL; DIAMETER: 117 FT 3 IN; HEIGHT: 41 FT 9 IN WITH A/N: 349410 FLOATING ROOF, PAN, WELDED SHELL PRIMARY SEAL, METALLIC SHOE SECONDARY SEAL, WIPER TYPE	D187				B22.5, C1.37, C6.1, H23.13
STORAGE TANK, INTERNAL FLOATING ROOF, TANK 569, 80000 BBL; DIAMETER: 117 FT 2 IN; HEIGHT: 41 FT 8 IN WITH A/N: 349412 FLOATING ROOF, PAN, WELDED SHELL PRIMARY SEAL, METALLIC SHOE SECONDARY SEAL, WIPER TYPE	D188				B22.5, C1.37, C6.1, H23.13

- * (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 EQUILON ENTER. LLC, SHELL OIL PROD. US

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
Process 3: STORAGE TANKS					
STORAGE TANK, INTERNAL FLOATING ROOF, TANK 566, 80000 BBL; DIAMETER: 117 FT 4 IN; HEIGHT: 41 FT 6 IN WITH A/N: 349411 FLOATING ROOF, PAN, WELDED SHELL PRIMARY SEAL, METALLIC SHOE SECONDARY SEAL, WIPER TYPE	D189				B22.5, C1.37, C6.1, H23.13
STORAGE TANK, INTERNAL FLOATING ROOF, NO. 726, GASOLINE, 115603 BBL; DIAMETER: 144 FT 1 IN; HEIGHT: 40 FT 1 IN WITH A/N: FLOATING ROOF, PONTOON, RIVETED SHELL PRIMARY SEAL, WIPER TYPE SECONDARY SEAL, WIPER TYPE	D190				B22.5, C1.37, C6.1, H23.13

* (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 EQUILON ENTER. LLC, SHELL OIL PROD. US

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
Process 3: STORAGE TANKS					
STORAGE TANK, INTERNAL FLOATING ROOF, NO. 729, 117006 BBL; DIAMETER: 144 FT 1 IN; HEIGHT: 40 FT 6 IN WITH A/N: 349430 FLOATING ROOF, PAN, WELDED SHELL PRIMARY SEAL, METALLIC SHOE SECONDARY SEAL, WIPER TYPE	D192				B22.5, C1.37, C6.1, H23.13
STORAGE TANK, INTERNAL FLOATING ROOF, NO. 730, 117293 BBL; DIAMETER: 143 FT 10 IN; HEIGHT: 40 FT 6 IN WITH A/N: 349429 FLOATING ROOF, PAN, WELDED SHELL PRIMARY SEAL, METALLIC SHOE SECONDARY SEAL, WIPER TYPE	D193				B22.5, C1.37, C6.1, H23.13

- * (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 EQUILON ENTER. LLC, SHELL OIL PROD. US

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
Process 3: STORAGE TANKS					
STORAGE TANK, INTERNAL FLOATING ROOF, NO. 501, 79163 BBL; DIAMETER: 117 FT 4 IN; HEIGHT: 41 FT 4 IN WITH A/N: 349415 FLOATING ROOF, PAN, WELDED SHELL PRIMARY SEAL, METALLIC SHOE SECONDARY SEAL, WIPER TYPE	D194				B22.5, C1.37, C6.1, H23.13
STORAGE TANK, INTERNAL FLOATING ROOF, NO. 503, 78963 BBL; DIAMETER: 117 FT ; HEIGHT: 41 FT 5 IN WITH A/N: 349416 FLOATING ROOF, PAN, WELDED SHELL PRIMARY SEAL, METALLIC SHOE SECONDARY SEAL, WIPER TYPE	D195				B22.5, C1.37, C6.2, H23.13

* (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 EQUILON ENTER. LLC, SHELL OIL PROD. US

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
Process 3: STORAGE TANKS					
STORAGE TANK, INTERNAL FLOATING ROOF, NO. 504, 79109 BBL; DIAMETER: 117 FT 3 IN; HEIGHT: 41 FT 5 IN WITH A/N: 349417 FLOATING ROOF, PAN, WELDED SHELL PRIMARY SEAL, METALLIC SHOE SECONDARY SEAL, WIPER TYPE	D196				B22.5, C1.37, C6.2, H23.13
STORAGE TANK, INTERNAL FLOATING ROOF, NO. 515, 78969 BBL; DIAMETER: 117 FT 4 IN; HEIGHT: 41 FT 6 IN WITH A/N: 349431 FLOATING ROOF, PAN, WELDED SHELL PRIMARY SEAL, METALLIC SHOE SECONDARY SEAL, WIPER TYPE	D197				B22.5, C1.37, C6.2, H23.13

* (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
Process 3: STORAGE TANKS					
STORAGE TANK, INTERNAL FLOATING ROOF, TANK 568, 80159 BBL; DIAMETER: 117 FT 2 IN; HEIGHT: 41 FT 7 IN WITH A/N: 349442 FLOATING ROOF, PAN, WELDED SHELL PRIMARY SEAL, WIPER TYPE SECONDARY SEAL, WIPER TYPE	D148				B22.5, C1.37, C6.1, H23.13
STORAGE TANK, INTERNAL FLOATING ROOF, NO. 725, 115666 BBL; DIAMETER: 144 FT 3 IN; HEIGHT: 40 FT 2 IN WITH A/N: FLOATING ROOF, PONTOON, RIVETED SHELL PRIMARY SEAL, WIPER TYPE SECONDARY SEAL, WIPER TYPE	D750				B22.5, C1.37, C6.1, H23.13
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: INACTIVE	D859			HAP: (10) [40CFR 63 Subpart R, #3 (Major Sources w/o Bulk Loading), 12-19-2003]	H23.5
STORAGE TANK, FIXED ROOF, TANK 562, WITH A 20 H.P. MIXER, 76534 BBL; DIAMETER: 117 FT 2 IN; HEIGHT: 41 FT 8 IN A/N:	D146				B22.5, C1.37

<p>* (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</p>	<p>(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</p>
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**FACILITY PERMIT TO OPERATE
EQUILON ENTER. LLC, SHELL OIL PROD. US**

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
Process 3: STORAGE TANKS					
STORAGE TANK, FIXED ROOF, NO. 563, 76534 BBL; DIAMETER: 117 FT 2 IN; HEIGHT: 41 FT 10 IN A/N:	D171				K67.1
STORAGE TANK, FIXED ROOF, TANK 567, 79295 BBL; DIAMETER: 117 FT 2 IN; HEIGHT: 41 FT 10 IN A/N:	D147				B22.6, C1.38
STORAGE TANK, FIXED ROOF, TANK 571, 79160 BBL; DIAMETER: 117 FT 2 IN; HEIGHT: 41 FT 10 IN A/N:	D149				B22.6, C1.38
System 3: EXTERNAL FLOATING ROOF TANKS					
STORAGE TANK, EXTERNAL FLOATING ROOF, TK 1513, 16500 BBL; DIAMETER: 54 FT ; HEIGHT: 40 FT WITH A/N: 349461 FLOATING ROOF, PONTOON, WELDED SHELL PRIMARY SEAL, METALLIC SHOE SECONDARY SEAL, WIPER TYPE	D203				B22.5, C1.5

* (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
Process 3: STORAGE TANKS					
STORAGE TANK, EXTERNAL FLOATING ROOF, TK 2543, RECOVERED SOLVENTS, HEIGHT: 26 FT 6 IN; DIAMETER: 10 FT WITH A/N: 349391 FLOATING ROOF, WELDED SHELL PRIMARY SEAL, METALLIC SHOE SECONDARY SEAL, WIPER TYPE	D205				C1.12
STORAGE TANK, EXTERNAL FLOATING ROOF, TK-1632, PROCESS/STORM WATER, 60000 BBL; DIAMETER: 109 FT ; HEIGHT: 38 FT WITH A/N: 349448 FLOATING ROOF PRIMARY SEAL, METALLIC SHOE SECONDARY SEAL, WIPER TYPE	D64				K67.1
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: INACTIVE	D859			HAP: (10) [40CFR 63 Subpart R, #3 (Major Sources w/o Bulk Loading), 12-19-2003]	H23.5
System 5: DOMED EXTERNAL FLOATING ROOF TANKS					S13.2

- * (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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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 3 STORAGE TANKS					
STORAGE TANK, EXTERNAL FLOATING ROOF, TK 1134, GASOLINE, 55535 BBL; DIAMETER: 100 FT ; HEIGHT: 40 FT WITH A/N: FLOATING ROOF, PONTOON, WELDED SHELL PRIMARY SEAL, METALLIC SHOE SECONDARY SEAL, WIPER TYPE	D202				C1.4, H23.13
STORAGE TANK, EXTERNAL FLOATING ROOF, TK 1515, 33652 BBL; DIAMETER: 78 FT ; HEIGHT: 40 FT WITH A/N: FLOATING ROOF, PONTOON, WELDED SHELL PRIMARY SEAL, METALLIC SHOE SECONDARY SEAL, WIPER TYPE	D204				B22.12, C1.3

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 3: STORAGE TANKS					
STORAGE TANK, EXTERNAL FLOATING ROOF, TK. 507, 78932 BBL; DIAMETER: 117 FT 2 IN; HEIGHT: 41 FT 10 IN WITH A/N: FLOATING ROOF, PONTOON, RIVETED SHELL PRIMARY SEAL, METALLIC SHOE SECONDARY SEAL, WIPER TYPE	D198				B22.5, C1.37, H23.13
STORAGE TANK, EXTERNAL FLOATING ROOF, TK 509, 78735 BBL; DIAMETER: 117 FT 1 IN; HEIGHT: 41 FT 9 IN WITH A/N: FLOATING ROOF, PONTOON, RIVETED SHELL PRIMARY SEAL, METALLIC SHOE SECONDARY SEAL, WIPER TYPE	D199				B22.5, C1.37, H23.13

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 3: STORAGE TANKS					
STORAGE TANK, EXTERNAL FLOATING ROOF, TK 510, 78879 BBL; DIAMETER: 117 FT 3 IN; HEIGHT: 41 FT 8 IN WITH A/N: FLOATING ROOF, PONTOON, RIVETED SHELL PRIMARY SEAL, METALLIC SHOE SECONDARY SEAL, WIPER TYPE	D200				B22.5, C1.37, H23.13
STORAGE TANK, EXTERNAL FLOATING ROOF, TK 576, WITH A 30 H.P. MIXER, 124539 BBL; DIAMETER: 150 FT ; HEIGHT: 40 FT WITH A/N: FLOATING ROOF, PONTOON, WELDED SHELL PRIMARY SEAL, MECHANICAL SHOE SECONDARY SEAL, WIPER TYPE	D201				B22.5, C1.37, H23.13
Process 5: MISCELLANEOUS					
System 2: SUMPS AND UNDERGROUND TANKS					

- * (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
Process 5: MISCELLANEOUS					
SUMP, V-3092, LAB SUMP, RECOVERED OIL, COVERED, DOUBLE WALLED, HEIGHT: 9 FT ; DIAMETER: 2 FT 5 IN A/N: 349513	D21	C3 C24			
CARBON ADSORBER, ACTIVATED CARBON, 150 LBS A/N: 349513	C3	D21		VOC: 500 PPMV (4) [RULE 1303(a)-BACT, 5-10-1996]	D90.1, E153.1
CARBON ADSORBER, ACTIVATED CARBON, (STANDBY), 150 LBS A/N: 349513	C24	D21		VOC: 500 PPMV (4) [RULE 1303(a)-BACT, 5-10-1996]	D90.1, E153.1
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 349386	D862				H23.5
System 3: JET FUEL CLAY TREATING					
FILTER, PREFILTER, V-3323, EAST TRAIN, HEIGHT: 3 FT 9 IN; DIAMETER: 2 FT 4 IN A/N: 349446	D802				
FILTER, CLAY, V-3324, EAST TRAIN, HEIGHT: 3 FT 9 IN; DIAMETER: 2 FT 4 IN A/N: 349446	D803				
FILTER, CLAY, V-3325, EAST TRAIN, HEIGHT: 3 FT 9 IN; DIAMETER: 2 FT 4 IN A/N: 349446	D804				
FILTER, COALESCER, V-3326, EAST TRAIN, HEIGHT: 3 FT 9 IN; DIAMETER: 2 FT 4 IN A/N: 349446	D805				

- * (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
Process 5: MISCELLANEOUS					
FILTER, PREFILTER, V-3137, WEST TRAIN, HEIGHT: 3 FT 9 IN; DIAMETER: 2 FT 4 IN A/N: 349446	D806				
FILTER, CLAY, V-3138, WEST TRAIN, HEIGHT: 3 FT 9 IN; DIAMETER: 2 FT 4 IN A/N: 349446	D807				
FILTER, COALESCER, V-3139, WEST TRAIN, HEIGHT: 3 FT 9 IN; DIAMETER: 2 FT 4 IN A/N: 349446	D808				
PUMP, CENTRIFUGAL, TRANSFER, P-8474, 150-HP, WITH MECHANICAL SEAL A/N: 349446	D809				H23.5
PUMP, CENTRIFUGAL, TRANSFER, P-8475, 150-HP, WITH MECHANICAL SEAL A/N: 349446	D810				H23.5
PUMP, CENTRIFUGAL, TRANSFER, P-8476, 150-HP, WITH MECHANICAL SEAL A/N: 349446	D811				H23.5
PUMP, CENTRIFUGAL, BOOSTER, P-8488, 200-HP, WITH MECHANICAL SEAL A/N: 349446	D812				H23.5
PUMP, CENTRIFUGAL, BOOSTER, P-8489, 200-HP, WITH MECHANICAL SEAL A/N: 349446	D813				H23.5
Process 6: GROUNDWATER TREATMENT SYSTEM					

- | | |
|--|---|
| * (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 EQUILON ENTER. LLC, SHELL OIL PROD. US

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
Process 6: GROUNDWATER TREATMENT SYSTEM					
System 1: EXTRACTION WELLS					S13.4
PUMP, WELL, AIR OPERATED, 22 TOTAL A/N: 349435	D385				H23.5
Process 7: CHEMICAL BULK LOADING					
System 1: TWO-POSITION TANK TRUCK LOADING RACK NO. 1					S13.1
BULK MATERIAL LOAD/UNLOAD STATION WITH A/N: 463593 LOADING ARM, TANK TRUCK, TOP, SWING TYPE, SUBMERGED FILL, WEST SIDE, 15 TOTAL; DIAMETER: 3 IN LOADING ARM, BOTTOM, TANK TRUCK, SWING TYPE, EAST SIDE, 11 TOTAL; DIAMETER: 3 IN LOADING ARM, TANK TRUCK, TOP, SWING TYPE, EAST SIDE, SUBMERGED FILL, 4 TOTAL; DIAMETER: 3 IN VAPOR RETURN LINE, WEST SIDE, 4 TOTAL; DIAMETER: 4 IN VAPOR RETURN LINE, EAST SIDE, 2 TOTAL; DIAMETER: 4 IN	D823	D330 D763		VOC: 0.08 LBS/1000 GAL (5) [RULE 462, 5-14-1999]	B59.2, C1.31, E131.1, E336.2

* (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 EQUILON ENTER. LLC, SHELL OIL PROD. US

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
Process 7: CHEMICAL BULK LOADING					
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 463593	D865				H23.5
System 2: TWO-POSITION TANK TRUCK LOADING RACK NO. 2					S13.1
BULK MATERIAL LOAD/UNLOAD STATION WITH A/N: 463596 LOADING ARM, TANK TRUCK, TOP, SWING TYPE, WEST SIDE, SUBMERGED FILL, 16 TOTAL; DIAMETER: 3 IN LOADING ARM, BOTTOM, TANK TRUCK, SWING, EAST SIDE, 11 TOTAL; DIAMETER: 3 IN VAPOR RETURN LINE, WEST SIDE, 3 TOTAL; DIAMETER: 4 IN VAPOR RETURN LINE, EAST SIDE, 2 TOTAL; DIAMETER: 4 IN	D824	D330 D763		VOC: 0.08 LBS/1000 GAL (5) [RULE 462, 5-14-1999]	B59.2, C1.32, E131.1, E336.2
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 463596	D866				H23.5
System 3: TWO-POSITION TANK TRUCK LOADING RACK NO. 3					S13.1

- * (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 EQUILON ENTER. LLC, SHELL OIL PROD. US

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
Process 7: CHEMICAL BULK LOADING					
BULK MATERIAL LOAD/UNLOAD STATION WITH A/N: 463590 LOADING ARM, TANK TRUCK, TOP, SWING TYPE, WEST SIDE, SUBMERGED FILL, 11 TOTAL; DIAMETER: 3 IN LOADING ARM, BOTTOM, TANK TRUCK, SWING TYPE, EAST SIDE, 11 TOTAL; DIAMETER: 3 IN VAPOR RETURN LINE, WEST SIDE, 3 TOTAL; DIAMETER: 4 IN VAPOR RETURN LINE, EAST SIDE, 3 TOTAL; DIAMETER: 4 IN	D829	D330 D763		VOC: 0.08 LBS/1000 GAL (5) [RULE 462, 5-14-1999]	B59.2, C1.33, E131.1, E336.2
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 463590	D867				H23.5
System 4: ONE-POSITION TANK TRUCK LOADING - WASH RACK NO. 1 (EAST)					S13.1

- * (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 EQUILON ENTER. LLC, SHELL OIL PROD. US

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
Process 7: CHEMICAL BULK LOADING					
BULK MATERIAL LOAD/UNLOAD STATION WITH A/N: 393118 LOADING ARM, TANK TRUCK, TOP, SWING TYPE, SUBMERGED FILL, 2 TOTAL; DIAMETER: 3 IN VAPOR RETURN LINE, DIAMETER: 4 IN	D838	D330 D763		VOC: 0.08 LBS/1000 GAL (5) [RULE 462, 5-14-1999]	B59.1, C1.34, E131.1, E336.2
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 393118	D868				H23.5
System 5: Chemical Tank Car Loading/Unloading Rack No. 2 (No. 1 West)					S13.1
BULK MATERIAL LOAD/UNLOAD STATION WITH A/N: 393116 LOADING AND UNLOADING ARM, BOTTOM, TANK CAR, DIAMETER: 3 IN VAPOR RETURN LINE, DIAMETER: 4 IN	D836	D330 D763		VOC: 0.08 LBS/1000 GAL (5) [RULE 462, 5-14-1999]	B59.1, C1.35, E336.2
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 393116	D869				H23.5
System 6: CHEMICAL TANK CAR UNLOADING RACK (No. 2 WEST)					

- * (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 EQUILON ENTER. LLC, SHELL OIL PROD. US

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
Process 7: CHEMICAL BULK LOADING					
BULK MATERIAL UNLOADING STATION WITH A/N: 393114 UNLOADING ARM, BOTTOM, TANK CAR, SWING TYPE, WITH A DETACHABLE HOSE, DIAMETER: 3 IN	D832				H23.18
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 393114	D870				H23.5, H23.18
System 7: SIX-POSITION TANK CAR UNLOADING RACK					

<p>* (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</p>	<p>(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</p>
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FACILITY PERMIT TO OPERATE EQUILON ENTER. LLC, SHELL OIL PROD. US

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
Process 7: CHEMICAL BULK LOADING					
BULK MATERIAL UNLOADING STATION WITH A/N: 349347 UNLOADING ARM, TANK CAR, OPW SPRING BALANCE, SWIVEL JOINT TYPE, ISOPROPYL ALCOHOL, 3 TOTAL; DIAMETER: 3 IN UNLOADING ARM, TANK CAR, OPW SPRING BALANCE, SWIVEL JOINT TYPE, METHYL ETHYL KETONE (2-BUTANONE), ACETONE, 3 TOTAL; DIAMETER: 3 IN UNLOADING ARM, TANK CAR, POSITION NO. 1, HYDROCARBON SOLVENTS, WITH QUICK DISCONNECT COUPLINGS, 3 TOTAL; DIAMETER: 3 IN UNLOADING ARM, TANK CAR, POSITION NO. 2, HYDROCARBON SOLVENTS, WITH QUICK DISCONNECT COUPLINGS, 4 TOTAL; DIAMETER: 3 IN	D834				C1.8, H23.18

* (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 EQUILON ENTER. LLC, SHELL OIL PROD. US

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
Process 7: CHEMICAL BULK LOADING					
UNLOADING ARM, TANK CAR, POSITION NO. 3, HYDROCARBON SOLVENTS, WITH QUICK DISCONNECT COUPLINGS, 3 TOTAL; DIAMETER: 3 IN					
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 349347	D871				H23.5, H23.18
System 8: Chemical Tank Car Loading/Unloading Rack No. 6 (No. 3 West)					S13.1
BULK MATERIAL LOAD/UNLOAD STATION WITH A/N: 463592	D835	D330 D763		VOC: 0.08 LBS/1000 GAL (5) [RULE 462, 5-14-1999]	B59.2, C1.9, C1.35, E336.1, E336.2
LOADING AND UNLOADING ARM, TANK CAR, BOTTOM, DIAMETER: 3 IN					
VAPOR RETURN LINE, DIAMETER: 4 IN					
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 463592	D872				H23.5
System 10: CHEMICAL TANK CAR LOADING/UNLOADING RACK (No. 4 EAST)					S13.1

* (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 EQUILON ENTER. LLC, SHELL OIL PROD. US

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
Process 7: CHEMICAL BULK LOADING					
BULK MATERIAL LOAD/UNLOAD STATION WITH A/N: 393117 LOADING AND UNLOADING ARM, BOTTOM, TANK CAR, DIAMETER: 3 IN VAPOR RETURN LINE, DIAMETER: 3 IN	D840	D330 D763		VOC: 0.08 LBS/1000 GAL (5) [RULE 462, 5-14-1999]	B59.1, C1.35, E336.2
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 393117	D874				H23.5
Process 8: AIR POLLUTION CONTROL SYSTEM					
System 2: CHEMICAL VAPOR COLLECTION AND DESTRUCTION SYSTEM					
TANK, HOLDING, T-7011, VAPOR, 5600 CU.FT.; DIAMETER: 15 FT 6 IN; HEIGHT: 32 FT A/N: 457091	D330	D33 C764 D823 D824 D829 D835 D836 D838 D840			C6.5, E193.1, E336.3
TANK, HOLDING, T-7012, VAPOR, 7500 CU.FT.; DIAMETER: 18 FT ; HEIGHT: 34 FT A/N: 457091	D763	D33 C764 D823 D824 D829 D835 D836 D838 D840			C6.5, E193.1, E336.3

* (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 EQUILON ENTER. LLC, SHELL OIL PROD. US

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
Process 8: AIR POLLUTION CONTROL SYSTEM					
AFTERBURNER, H-7015, JOHN ZINK, MODEL ZTOF/TC, NATURAL GAS, WASTE GAS, 22 MMBTU/HR WITH A/N: 457091 BURNER, 2 TOTAL, ONE NATURAL GAS ONLY, ONE WASTE GAS AND NATURAL GAS	C764	D330 D763	NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 243 LBS/MMSCF NATURAL GAS (1); PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; VOC: 0.08 LBS/1000 GAL (5) [RULE 462, 5-14-1999]	C1.36, C1.44, C1.45, C8.2, D28.2, E193.2
Process 9: INTERNAL COMBUSTION					
System 2: EMERGENCY FIRE PUMP					
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, LEAN BURN, DIESEL FUEL, JOHN DEERE, MODEL JU6H-UF50, COMPRESSION IGNITION, WITH AFTERCOOLER, TURBOCHARGER, 183 BHP A/N: 449953	D926		NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 0.49 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1) -BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; NOX: 265 LBS/1000 GAL DIESEL (1) [RULE 2012, 5-6-2005]; NOX + ROG: 4.9 GRAM/BHP-HR DIESEL (4) [RULE 2005, 5-6-2005]; PM10: 0.13 GRAM/BHP-HR DIESEL (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]	C1.42, C1.43, D12.1, D12.2, E193.4, H23.14, I296.1, K67.9
Process 11: R219 EXEMPT EQUIPMENT SUBJECT TO SOURCE-SPECIFIC RULES					
RULE 219 EXEMPT EQUIPMENT, AIR CONDITIONING UNITS	E847				H23.2

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

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



FACILITY PERMIT TO OPERATE EQUILON ENTER. LLC, SHELL OIL PROD. US

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
Process 11: R219 EXEMPT EQUIPMENT SUBJECT TO SOURCE-SPECIFIC RULES					
RULE 219 EXEMPT EQUIPMENT, CLEANING EQUIPMENT, SMALL, UNHEATED, NON-CONVEYORIZED	E852			VOC: (9) [RULE 1171, 11-7-2003; RULE 1171, 2-1-2008]	H23.3
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS	E853			VOC: (9) [RULE 1113, 11-8-1996; RULE 1113, 7-13-2007; RULE 1171, 11-7-2003; RULE 1171, 2-1-2008]	K67.6
RULE 219 EXEMPT EQUIPMENT, FIRE EXTINGUISHING EQUIPMENT USING HALONS	E854				H23.4
RULE 219 EXEMPT EQUIPMENT, ABRASIVE BLASTING CABINET, WET BLASTING, SHOT BLAST, PORTABLE	E953			PM: (9) [RULE 404, 2-7-1986]; PM10: (9) [RULE 405, 2-7-1986]	H23.16
RULE 219 EXEMPT EQUIPMENT, COATING (PAINT)/ADHESIVE APPLICATION EQUIPMENT	E956			VOC: (9) [RULE 1171, 11-7-2003; RULE 1171, 2-1-2008]	H23.17
RULE 219 EXEMPT EQUIPMENT, HAND APPLICATION OF ADHESIVES AND COATINGS (PAINTS)	E957			VOC: (9) [RULE 1171, 11-7-2003; RULE 1171, 2-1-2008]	H23.17

- * (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
EQUILON ENTER. LLC, SHELL OIL PROD. US**

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.**



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

Section D Page: 49
 Facility ID: 800372
 Revision #: 21
 Date: December 30, 2010

**FACILITY PERMIT TO OPERATE
 EQUILON ENTER, LLC, SHELL OIL PROD. US**

SECTION D: DEVICE ID INDEX

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**FACILITY PERMIT TO OPERATE
EQUILON ENTER. LLC, SHELL OIL PROD. US**

SECTION D: DEVICE ID INDEX

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D100	7	3	1
D101	7	3	1
D102	7	3	1
D103	7	3	1
D104	7	3	1
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D106	7	3	1
D107	8	3	1
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**FACILITY PERMIT TO OPERATE
EQUILON ENTER. LLC, SHELL OIL PROD. US**

SECTION D: DEVICE ID INDEX

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D131	11	3	1
D132	11	3	1
D133	11	3	1
D134	11	3	1
D135	11	3	1
D136	11	3	1
D137	11	3	1
D138	12	3	1
D139	12	3	1
D140	12	3	1
D141	12	3	1
D142	12	3	1
D143	12	3	1
D144	12	3	1
D145	13	3	1
D146	30	3	2
D147	31	3	2
D148	30	3	2
D149	31	3	2
D152	13	3	1
D153	13	3	1
D154	13	3	1
D155	13	3	1
D156	13	3	1
D157	13	3	1



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D166	14	3	1
D167	15	3	1
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D169	15	3	1
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D173	15	3	1
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D181	20	3	2
D182	21	3	2
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D184	22	3	2
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D192	27	3	2
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D200	35	3	5
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D203	31	3	3
D204	33	3	5
D205	32	3	3
D330	45	8	2
D352	16	3	1
D353	15	3	1
D354	15	3	1
D355	23	3	2
D356	23	3	2
D357	24	3	2
D385	38	6	1
D746	15	3	1
D750	30	3	2
D758	16	3	1
D759	16	3	1
D760	16	3	1
D761	16	3	1
D762	16	3	1
D763	45	8	2
C764	46	8	2
D802	36	5	3
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D824	39	7	2
D829	40	7	3
D832	42	7	6
D834	44	7	7
D835	44	7	8
D836	41	7	5
D838	41	7	4
D840	45	7	10
E847	46	11	0
E852	47	11	0
E853	47	11	0
E854	47	11	0
D856	1	1	2
D857	3	1	3
D858	16	3	1
D859	30	3	2
D859	32	3	3
D862	36	5	2
D865	39	7	1
D866	39	7	2
D867	40	7	3
D868	41	7	4
D869	41	7	5
D870	42	7	6
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D874	45	7	10
D926	46	9	2
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E957	47	11	0



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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

FACILITY CONDITIONS

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

- (a) As dark or darker in shade as that designated No.1 on the Ringelmann Chart, as published by the United States Bureau of Mines; or
- (b) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in subparagraph (a) of this condition.

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

F16.1 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Records of the monthly (or quarterly where applicable) and subsequent repair and reinspection of VOC fugitive components subject to Rule 1173.

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

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

40CFR80

Title 13, California Code of Regulations

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

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.



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

SYSTEM CONDITIONS

S13.1 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	462
HAPs	40CFR63, SUBPART	EEEE

[RULE 462, 5-14-1999; 40CFR 63 Subpart EEEE, 7-28-2006]

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

S13.2 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]

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

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



FACILITY PERMIT TO OPERATE EQUILON ENTER. LLC, SHELL OIL PROD. US

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Contaminant	Rule	Rule/Subpart
HAPs	40CFR63, SUBPART	GGGGG

[40CFR 63 Subpart GGGGG, 11-29-2006]

[Systems subject to this condition : Process 6, System 1 , 2 , 3 , 4; Process 8, System 6]

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

Contaminant	Rule	Rule/Subpart
VOC	40CFR60, SUBPART	XX
VOC	40CFR63, SUBPART	R

[40CFR 60 Subpart XX, 12-19-2003; 40CFR 63 Subpart R, 4-6-2006]

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

S31.1 The following BACT requirements shall apply to VOC service fugitive components associated with the devices that are covered by application number(s) 379029:



FACILITY PERMIT TO OPERATE EQUILON ENTER. LLC, SHELL OIL PROD. US

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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 fugitive components in VOC service shall be inspected monthly using EPA reference Method 21. The operator may revert to a quarterly inspection upon District approval, after two consecutive months of inspections in which only two percent or less of the fugitive components are detected to leak over 500 ppm above background.

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

All valves shall be bellow-seal 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 the horizontal position), special application valves with space limitation, and valves not commercially available. The District shall approve all exceptions to this requirement.

The District shall approve all exceptions to this requirement. All valves and major components shall be physically identified in the field with special markings that distinguish the components from non-BACT components. Additionally, all components shall be identified as BACT components in the record.



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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]

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

DEVICE CONDITIONS

B. Material/Fuel Type Limits

B22.2 The operator shall not use this equipment with materials having a(n) true vapor pressure of 2.4 psia or greater under actual operating conditions.

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

[Devices subject to this condition : D75]

B22.3 The operator shall not use this equipment with materials having a(n) true vapor pressure of 1.7 psia or greater under actual operating conditions.

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

[Devices subject to this condition : D78]

B22.4 The operator shall not use this equipment with materials having a(n) true vapor pressure of 3.3 psia or greater under actual operating conditions.

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

[Devices subject to this condition : D81]



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

B22.5 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 463, 5-6-2005]

[Devices subject to this condition : D146, D148, D152, D174, D175, D176, D177, D178, D179, D180, D181, D182, D183, D184, D186, D187, D188, D189, D190, D192, D193, D194, D195, D196, D197, D198, D199, D200, D201, D203, D356, D750]

B22.6 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.

Material Safety Data Sheet (MSDS) shall be used to demonstrate compliance with this condition

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

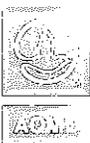
[Devices subject to this condition : D147, D149, D153, D155, D156, D157, D158, D159, D160, D161, D185, D357]

B22.7 The operator shall not use this equipment with materials having a(n) true vapor pressure of 0.05 psia or greater under actual operating conditions.

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

[Devices subject to this condition : D154]

B22.8 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.



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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(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition : D353, D354, D746]

B22.9 The operator shall not use this equipment with materials having a(n) true vapor pressure of 0.001 psia or greater under actual operating conditions.

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

[Devices subject to this condition : D758, D759]

B22.10 The operator shall not use this equipment with materials having a(n) true vapor pressure of 0.025 psia or greater under actual operating conditions.

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

[Devices subject to this condition : D117]

B22.12 The operator shall not use this equipment with materials having a(n) true vapor pressure of 3 psia or greater under actual operating conditions.

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

[Devices subject to this condition : D204]

B27.1 The operator shall not use materials containing any compounds identified in the SCAQMD Rule 1401, as amended 07-dec-1990.

[RULE 1401, 12-7-1990]

[Devices subject to this condition : D117, D758, D759]



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

B59.1 The operator shall only use the following material(s) in this device :



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

1. Identified by Name or Chemical Abstract Service (CAS) Number:
2. Acetone (CAS No. 67-64-1); Deodorized Kerosene (CAS No. 64742-96-7);
3. Diacetone Alcohol (CAS No. 123-42-2); Dibasic Ester (Blend); Diethylene Glycol (CAS No. 111-46-6);
4. Diethylene Glycol Monobutyl Ether or Butyl Dioxitol (CAS No. 112-34-5);
5. Dimethyl Formamide (CAS No. 68-12-2); Dion Oil (CAS No. 64742-46-7);
6. Dipropylene Glycol Monomethyl Ether, Glycol Ether DPM or Methyl Diproxitol (CAS No. 34590-94-8);
7. E93 (CAS No. 68477-31-6); Envirolite (CAS No. 64742-88-7); Ethyl Acetate (CAS No. 141-78-6);
8. Ethyl Alcohol (CAS No. 64-17-5); Ethyl Alcohol Oxygenate (No CAS No.);
9. Ethylene Glycol (CAS No. 107-21-1);
10. Glycol Ether EB, Butyl Oxitol, or Ethylene Glycol Monobutyl Ether (CAS No. 111-76-2);
11. Glycol Ether PM Acetate, Propylene Glycol Monomethyl Ether Acetate, or PMA (CAS No. 108-65-6);
12. Glycol Ether PM, Propylene Glycol Monomethyl Ether, or PM (CAS No. 107-98-2);
13. Heptane (CAS No. 64742-89-8); Hexane (CAS No. 110-54-3); Hexylene Glycol (CAS No. 107-41-5);
14. Isobutyl Acetate (CAS No. 110-19-0); Isobutyl Alcohol (CAS No. 78-83-1);
15. Isopropyl Alcohol (CAS No. 67-63-0); Kwik Dri (CAS No. 8052-41-3); Lacolene (CAS No. 64742-89-8);
16. Low NOx Fuel (Blend) (no CAS No.); Methyl Alcohol (CAS No. 67-56-1);
17. Methyl n-Amyl Ketone (CAS No. 110-43-0); MS 66 (CAS No. 8052-41-3);
18. Methyl Ethyl Ketone (CAS No. 78-93-3); Methyl Isobutyl Ketone (CAS No. 108-10-1);
19. n-Butyl Acetate (CAS No. 123-86-4); n-Butyl Alcohol (CAS No. 71-36-3);
20. Odorless Mineral Spirits or OMS (CAS No. 64741-65-7); Propylene Glycol (CAS No. 57-55-6);
21. s-Butyl Alcohol (CAS No. 78-92-2); Solvent A100 (CAS No. 64742-95-6);



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

22. Solvent A150 (CAS No. 64742-94-5); Solvent B HT (CAS No. 64742-89-8);
23. Solvent D38 (CAS No. 64742-88-7); Solvent D60 (CAS No. 64742-88-7);
24. Solvent W HT (CAS No. 64742-89-8); Toluene (CAS No. 108-88-3);
25. VM&P Naphtha HT (CAS No. 64742-20-7); Xylene (CAS No. 1330-20-7)

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1401, 6-15-2001]

[Devices subject to this condition : D71, D85, D93, D94, D95, D96, D99, D102, D103, D105, D116, D118, D120, D122, D124, D125, D126, D129, D130, D131, D132, D133, D134, D137, D162, D164, D165, D166, D167, D168, D760, D762, D836, D838, D840]

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



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

1. Identified by Name or Chemical Abstract Service (CAS) Number:
2. Bio-Diesel, Petroleum Diesel, Jet products(or mixtures of these)
3. Acetone (CAS No. 67-64-1); Deodorized Kerosene (CAS No. 64742-96-7);
4. Diacetone Alcohol (CAS No. 123-42-2); Dibasic Ester (Blend); Diethylene Glycol (CAS No. 111-46-6);
5. Diethylene Glycol Monobutyl Ether or Butyl Dioxitol (CAS No. 112-34-5);
6. Dimethyl Formamide (CAS No. 68-12-2); Dion Oil (CAS No. 64742-46-7);
7. Dipropylene Glycol Monomethyl Ether, Glycol Ether DPM or Methyl Diproxitol (CAS No. 34590-94-8);
8. E93 (CAS No. 68477-31-6); Envirolite (CAS No. 64742-88-7); Ethyl Acetate (CAS No. 141-78-6);
9. Ethyl Alcohol (CAS No. 64-17-5); Ethyl Alcohol Oxygenate (No CAS No.);
10. Ethylene Glycol (CAS No. 107-21-1);
11. Glycol Ether EB, Butyl Oxitol, or Ethylene Glycol Monobutyl Ether (CAS No. 111-76-2);
12. Glycol Ether PM Acetate, Propylene Glycol Monomethyl Ether Acetate, or PMA (CAS No. 108-65-6);
13. Glycol Ether PM, Propylene Glycol Monomethyl Ether, or PM (CAS No. 107-98-2);
14. Heptane (CAS No. 64742-89-8); Hexane (CAS No. 110-54-3); Hexylene Glycol (CAS No. 107-41-5);
15. Isobutyl Acetate (CAS No. 110-19-0); Isobutyl Alcohol (CAS No. 78-83-1);
16. Isopropyl Alcohol (CAS No. 67-63-0); Kwik Dri (CAS No. 8052-41-3); Lacolene (CAS No. 64742-89-8);
17. Low NOx Fuel (Blend) (no CAS No.); Methyl Alcohol (CAS No. 67-56-1);
18. Methyl n-Amyl Ketone (CAS No. 110-43-0); MS 66 (CAS No. 8052-41-3);
19. Methyl Ethyl Ketone (CAS No. 78-93-3); Methyl Isobutyl Ketone (CAS No. 108-10-1);
20. n-Butyl Acetate (CAS No. 123-86-4); n-Butyl Alcohol (CAS No. 71-36-3);
21. Odorless Mineral Spirits or OMS (CAS No. 64741-65-7); Propylene Glycol (CAS No. 57-55-6);



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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

22. s-Butyl Alcohol (CAS No. 78-92-2); Solvent A100 (CAS No. 64742-95-6);
23. Solvent A150 (CAS No. 64742-94-5); Solvent B HT (CAS No. 64742-89-8);
24. Solvent D38 (CAS No. 64742-88-7); Solvent D60 (CAS No. 64742-88-7);
25. Solvent W HT (CAS No. 64742-89-8); Toluene (CAS No. 108-88-3);
26. VM&P Naphtha HT (CAS No. 64742-20-7); Xylene (CAS No. 1330-20-7)

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1401, 6-15-2001]

[Devices subject to this condition : D823, D824, D829, D835]

C. Throughput or Operating Parameter Limits

- C1.3 The operator shall limit the throughput to no more than 1.877e+06 barrel(s) in any one year.

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

[Devices subject to this condition : D204]

- C1.4 The operator shall limit the throughput to no more than 730000 barrel(s) in any one year.

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

[Devices subject to this condition : D202]

- C1.5 The operator shall limit the number of turnovers to no more than 15 in any one year.

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



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

[Devices subject to this condition : D203]

C1.8 The operator shall limit the unloading rate to no more than 300 gallon(s) per minute.

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

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

[Devices subject to this condition : D834]

C1.9 The operator shall limit the unloading rate to no more than 300 gallon(s) per minute.

For the purpose of this condition, unloading rate shall be defined as for each commodity.

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

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

[Devices subject to this condition : D835]

C1.10 The operator shall limit the loading rate to no more than 300 gallon(s) per minute.

This condition shall not apply if equipment ID Nos. D41, D85, D122, D167 and D168 are not being filled.

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



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

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

[Devices subject to this condition : D120]

C1.12 The operator shall limit the number of turnovers to no more than 120 in any one year.

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

[Devices subject to this condition : D205]

C1.20 The operator shall limit the throughput to no more than 500,000 gallon(s) in any one calendar month.

IPA throughput shall be determined from a meter on the IPA stream to the tank.

The meter shall be equipped with a non-resetting totalizer.

The meter shall be calibrated at least annually.

The operator shall keep monthly records on the IPA fed to this tank.

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 1401, 6-15-2001]

[Devices subject to this condition : D33]

C1.21 The operator shall limit the throughput to no more than 500,000 gallon(s) in any one calendar month.



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

Throughput shall be determined from meters on the input streams to the tank.

The meters shall be equipped with a non-resetting totalizer.

The meters shall be calibrated at least annually.

The operator shall keep monthly records of the throughput for this tank.

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 1401, 6-15-2001]

[Devices subject to this condition : D41]

C1.22 The operator shall limit the throughput to no more than 50,677 gallon(s) in any one calendar month.



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

The operator shall use an automatic tank level gauge (ATLG) to continuously measure the liquid surface level movement. Tank liquid surface level data shall be recorded hourly and these hourly levels will be used to calculate level changes. The hourly level readings shall be used to calculate the total one-way roof movement, in feet, on a monthly basis.

The operator shall calculate monthly throughput by the following equation: $5.9 \times D \times D \times L$, where D is the diameter of the tank in feet and L is the total one-way roof travel in feet per month as determined by the hourly level readings.

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 1/4 inch, the ATLG shall be repaired. While the ATLG is being repaired, throughput shall be determined by hourly tank level data averaged for the previous 30 days, prior to the discovery of the discrepancy.

In the case of a failure or shutdown of the measuring device and/or recorder, excluding routine maintenance, the requirements of this condition shall not apply for a period not to exceed 24 consecutive hours from the time of its discovery. During the period of failure or shutdown, throughput shall be determined by hourly liquid level data averaged for the previous 30 calendar days.

In the case of routine maintenance, the requirements of this condition shall not apply for a period not to exceed 4 hours in any calendar day. During the period of routine maintenance, throughput shall be determined by hourly tank level data averaged for the previous 30 calendar days, unless it is documented that the liquid level did not change between the beginning and end of the period of routine maintenance.

The operator shall keep monthly records on the throughput and the Reid vapor pressure for each commodity stored in the equipment.

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



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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(b)(2)-Offset, 5-10-1996; RULE 1401, 6-15-2001]

[Devices subject to this condition : D71]

C1.23 The operator shall limit the throughput to no more than 33,720 gallon(s) in any one calendar month.



FACILITY PERMIT TO OPERATE EQUILON ENTER. LLC, SHELL OIL PROD. US

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

The operator shall use an automatic tank level gauge (ATLG) to continuously measure the liquid surface level movement. Tank liquid surface level data shall be recorded hourly and these hourly levels will be used to calculate level changes. The hourly level readings shall be used to calculate the total one-way roof movement, in feet, on a monthly basis.

The operator shall calculate monthly throughput by the following equation: $5.9 \times D \times D \times L$, where D is the diameter of the tank in feet and L is the total one-way roof travel in feet per month as determined by the hourly level readings.

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 1/4 inch, the ATLG shall be repaired. While the ATLG is being repaired, throughput shall be determined by hourly tank level data averaged for the previous 30 days, prior to the discovery of the discrepancy.

In the case of a failure or shutdown of the measuring device and/or recorder, excluding routine maintenance, the requirements of this condition shall not apply for a period not to exceed 24 consecutive hours from the time of its discovery. During the period of failure or shutdown, throughput shall be determined by hourly liquid level data averaged for the previous 30 calendar days.

In the case of routine maintenance, the requirements of this condition shall not apply for a period not to exceed 4 hours in any calendar day. During the period of routine maintenance, throughput shall be determined by hourly tank level data averaged for the previous 30 calendar days, unless it is documented that the liquid level did not change between the beginning and end of the period of routine maintenance.

The operator shall keep monthly records on the throughput and the Reid vapor pressure for each commodity stored in the equipment.

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



**FACILITY PERMIT TO OPERATE
EQUILON ENTER. LLC, SHELL OIL PROD. US**

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 1401, 6-15-2001]

[Devices subject to this condition : D85]

C1.24 The operator shall limit the throughput to no more than 149,000 gallon(s) in any one calendar month.



FACILITY PERMIT TO OPERATE EQUILON ENTER. LLC, SHELL OIL PROD. US

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

The operator shall use an automatic tank level gauge (ATLG) to continuously measure the liquid surface level movement. Tank liquid surface level data shall be recorded hourly and these hourly levels will be used to calculate level changes. The hourly level readings shall be used to calculate the total one-way roof movement, in feet, on a monthly basis.

The operator shall calculate monthly throughput by the following equation: $5.9 \times D \times D \times L$, where D is the diameter of the tank in feet and L is the total one-way roof travel in feet per month as determined by the hourly level readings.

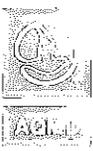
The ATLG shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLG differs from the manual tank level measurement by more than 1/4 inch, the ATLG shall be repaired. While the ATLG is being repaired, throughput shall be determined by hourly tank level data averaged for the previous 30 days, prior to the discovery of the discrepancy.

In the case of a failure or shutdown of the measuring device and/or recorder, excluding routine maintenance, the requirements of this condition shall not apply for a period not to exceed 24 consecutive hours from the time of its discovery. During the period of failure or shutdown, throughput shall be determined by hourly liquid level data averaged for the previous 30 calendar days.

In the case of routine maintenance, the requirements of this condition shall not apply for a period not to exceed 4 hours in any calendar day. During the period of routine maintenance, throughput shall be determined by hourly tank level data averaged for the previous 30 calendar days, unless it is documented that the liquid level did not change between the beginning and end of the period of routine maintenance.

The operator shall keep monthly records on the throughput and the Reid vapor pressure for each commodity stored in the equipment.

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



**FACILITY PERMIT TO OPERATE
EQUILON ENTER. LLC, SHELL OIL PROD. US**

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 1401, 6-15-2001]

[Devices subject to this condition : D93, D94, D95, D99, D102, D105, D116]

C1.25 The operator shall limit the throughput to no more than 150,677 gallon(s) in any one calendar month.



FACILITY PERMIT TO OPERATE EQUILON ENTER. LLC, SHELL OIL PROD. US

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

The operator shall use an automatic tank level gauge (ATLG) to continuously measure the liquid surface level movement. Tank liquid surface level data shall be recorded hourly and these hourly levels will be used to calculate level changes. The hourly level readings shall be used to calculate the total one-way roof movement, in feet, on a monthly basis.

The operator shall calculate monthly throughput by the following equation: $5.9 \times D \times D \times L$, where D is the diameter of the tank in feet and L is the total one-way roof travel in feet per month as determined by the hourly level readings.

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 1/4 inch, the ATLG shall be repaired. While the ATLG is being repaired, throughput shall be determined by hourly tank level data averaged for the previous 30 days, prior to the discovery of the discrepancy.

In the case of a failure or shutdown of the measuring device and/or recorder, excluding routine maintenance, the requirements of this condition shall not apply for a period not to exceed 24 consecutive hours from the time of its discovery. During the period of failure or shutdown, throughput shall be determined by hourly liquid level data averaged for the previous 30 calendar days.

In the case of routine maintenance, the requirements of this condition shall not apply for a period not to exceed 4 hours in any calendar day. During the period of routine maintenance, throughput shall be determined by hourly tank level data averaged for the previous 30 calendar days, unless it is documented that the liquid level did not change between the beginning and end of the period of routine maintenance.

The operator shall keep monthly records on the throughput and the Reid vapor pressure for each commodity stored in the equipment.

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



**FACILITY PERMIT TO OPERATE
EQUILON ENTER. LLC, SHELL OIL PROD. US**

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 1401, 6-15-2001]

[Devices subject to this condition : D103, D118, D120, D122, D129, D131, D760]

C1.26 The operator shall limit the throughput to no more than 528,677 gallon(s) in any one calendar month.



FACILITY PERMIT TO OPERATE EQUILON ENTER. LLC, SHELL OIL PROD. US

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

The operator shall use an automatic tank level gauge (ATLG) to continuously measure the liquid surface level movement. Tank liquid surface level data shall be recorded hourly and these hourly levels will be used to calculate level changes. The hourly level readings shall be used to calculate the total one-way roof movement, in feet, on a monthly basis.

The operator shall calculate monthly throughput by the following equation: $5.9 \times D \times D \times L$, where D is the diameter of the tank in feet and L is the total one-way roof travel in feet per month as determined by the hourly level readings.

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 1/4 inch, the ATLG shall be repaired. While the ATLG is being repaired, throughput shall be determined by hourly tank level data averaged for the previous 30 days, prior to the discovery of the discrepancy.

In the case of a failure or shutdown of the measuring device and/or recorder, excluding routine maintenance, the requirements of this condition shall not apply for a period not to exceed 24 consecutive hours from the time of its discovery. During the period of failure or shutdown, throughput shall be determined by hourly liquid level data averaged for the previous 30 calendar days.

In the case of routine maintenance, the requirements of this condition shall not apply for a period not to exceed 4 hours in any calendar day. During the period of routine maintenance, throughput shall be determined by hourly tank level data averaged for the previous 30 calendar days, unless it is documented that the liquid level did not change between the beginning and end of the period of routine maintenance.

The operator shall keep monthly records on the throughput and the Reid vapor pressure for each commodity stored in the equipment.

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



FACILITY PERMIT TO OPERATE EQUILON ENTER. LLC, SHELL OIL PROD. US

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 1401, 6-15-2001]

[Devices subject to this condition : D124, D126, D130, D132, D133, D134]

C1.27 The operator shall limit the throughput to no more than 42,000 gallon(s) in any one calendar month.



FACILITY PERMIT TO OPERATE EQUILON ENTER. LLC, SHELL OIL PROD. US

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

The operator shall use an automatic tank level gauge (ATLG) to continuously measure the liquid surface level movement. Tank liquid surface level data shall be recorded hourly and these hourly levels will be used to calculate level changes. The hourly level readings shall be used to calculate the total one-way roof movement, in feet, on a monthly basis.

The operator shall calculate monthly throughput by the following equation: $5.9 \times D \times D \times L$, where D is the diameter of the tank in feet and L is the total one-way roof travel in feet per month as determined by the hourly level readings.

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 1/4 inch, the ATLG shall be repaired. While the ATLG is being repaired, throughput shall be determined by hourly tank level data averaged for the previous 30 days, prior to the discovery of the discrepancy.

In the case of a failure or shutdown of the measuring device and/or recorder, excluding routine maintenance, the requirements of this condition shall not apply for a period not to exceed 24 consecutive hours from the time of its discovery. During the period of failure or shutdown, throughput shall be determined by hourly liquid level data averaged for the previous 30 calendar days.

In the case of routine maintenance, the requirements of this condition shall not apply for a period not to exceed 4 hours in any calendar day. During the period of routine maintenance, throughput shall be determined by hourly tank level data averaged for the previous 30 calendar days, unless it is documented that the liquid level did not change between the beginning and end of the period of routine maintenance.

The operator shall keep monthly records on the throughput and the Reid vapor pressure for each commodity stored in the equipment.

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



**FACILITY PERMIT TO OPERATE
EQUILON ENTER. LLC, SHELL OIL PROD. US**

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 1401, 6-15-2001]

[Devices subject to this condition : D162, D164, D165]

C1.28 The operator shall limit the throughput to no more than 141,000 gallon(s) in any one calendar month.



FACILITY PERMIT TO OPERATE EQUILON ENTER. LLC, SHELL OIL PROD. US

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

The operator shall use an automatic tank level gauge (ATLG) to continuously measure the liquid surface level movement. Tank liquid surface level data shall be recorded hourly and these hourly levels will be used to calculate level changes. The hourly level readings shall be used to calculate the total one-way roof movement, in feet, on a monthly basis.

The operator shall calculate monthly throughput by the following equation: $5.9 \times D \times D \times L$, where D is the diameter of the tank in feet and L is the total one-way roof travel in feet per month as determined by the hourly level readings.

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 1/4 inch, the ATLG shall be repaired. While the ATLG is being repaired, throughput shall be determined by hourly tank level data averaged for the previous 30 days, prior to the discovery of the discrepancy.

In the case of a failure or shutdown of the measuring device and/or recorder, excluding routine maintenance, the requirements of this condition shall not apply for a period not to exceed 24 consecutive hours from the time of its discovery. During the period of failure or shutdown, throughput shall be determined by hourly liquid level data averaged for the previous 30 calendar days.

In the case of routine maintenance, the requirements of this condition shall not apply for a period not to exceed 4 hours in any calendar day. During the period of routine maintenance, throughput shall be determined by hourly tank level data averaged for the previous 30 calendar days, unless it is documented that the liquid level did not change between the beginning and end of the period of routine maintenance.

The operator shall keep monthly records on the throughput and the Reid vapor pressure for each commodity stored in the equipment.

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



**FACILITY PERMIT TO OPERATE
EQUILON ENTER. LLC, SHELL OIL PROD. US**

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 1401, 6-15-2001]

[Devices subject to this condition : D166, D168]

C1.29 The operator shall limit the throughput to no more than 500,000 gallon(s) in any one calendar month.



FACILITY PERMIT TO OPERATE EQUILON ENTER. LLC, SHELL OIL PROD. US

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

The operator shall use an automatic tank level gauge (ATLG) to continuously measure the liquid surface level movement. Tank liquid surface level data shall be recorded hourly and these hourly levels will be used to calculate level changes. The hourly level readings shall be used to calculate the total one-way roof movement, in feet, on a monthly basis.

The operator shall calculate monthly throughput by the following equation: $5.9 \times D \times D \times L$, where D is the diameter of the tank in feet and L is the total one-way roof travel in feet per month as determined by the hourly level readings.

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 1/4 inch, the ATLG shall be repaired. While the ATLG is being repaired, throughput shall be determined by hourly tank level data averaged for the previous 30 days, prior to the discovery of the discrepancy.

In the case of a failure or shutdown of the measuring device and/or recorder, excluding routine maintenance, the requirements of this condition shall not apply for a period not to exceed 24 consecutive hours from the time of its discovery. During the period of failure or shutdown, throughput shall be determined by hourly liquid level data averaged for the previous 30 calendar days.

In the case of routine maintenance, the requirements of this condition shall not apply for a period not to exceed 4 hours in any calendar day. During the period of routine maintenance, throughput shall be determined by hourly tank level data averaged for the previous 30 calendar days, unless it is documented that the liquid level did not change between the beginning and end of the period of routine maintenance.

The operator shall keep monthly records on the throughput and the Reid vapor pressure for each commodity stored in the equipment.

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



**FACILITY PERMIT TO OPERATE
EQUILON ENTER. LLC, SHELL OIL PROD. US**

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 1401, 6-15-2001]

[Devices subject to this condition : D167]

C1.30 The operator shall limit the throughput to no more than 1,351,300 gallon(s) in any one calendar month.



FACILITY PERMIT TO OPERATE EQUILON ENTER. LLC, SHELL OIL PROD. US

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

The operator shall use an automatic tank level gauge (ATLG) to continuously measure the liquid surface level movement. Tank liquid surface level data shall be recorded hourly and these hourly levels will be used to calculate level changes. The hourly level readings shall be used to calculate the total one-way roof movement, in feet, on a monthly basis.

The operator shall calculate monthly throughput by the following equation: $5.9 \times D \times D \times L$, where D is the diameter of the tank in feet and L is the total one-way roof travel in feet per month as determined by the hourly level readings.

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 1/4 inch, the ATLG shall be repaired. While the ATLG is being repaired, throughput shall be determined by hourly tank level data averaged for the previous 30 days, prior to the discovery of the discrepancy.

In the case of a failure or shutdown of the measuring device and/or recorder, excluding routine maintenance, the requirements of this condition shall not apply for a period not to exceed 24 consecutive hours from the time of its discovery. During the period of failure or shutdown, throughput shall be determined by hourly liquid level data averaged for the previous 30 calendar days.

In the case of routine maintenance, the requirements of this condition shall not apply for a period not to exceed 4 hours in any calendar day. During the period of routine maintenance, throughput shall be determined by hourly tank level data averaged for the previous 30 calendar days, unless it is documented that the liquid level did not change between the beginning and end of the period of routine maintenance.

The operator shall keep monthly records on the throughput and the Reid vapor pressure for each commodity stored in the equipment.

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



FACILITY PERMIT TO OPERATE EQUILON ENTER. LLC, SHELL OIL PROD. US

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 1401, 6-15-2001]

[Devices subject to this condition : D762]

- C1.31 The operator shall limit the throughput to no more than 2,637,540 gallon(s) in any one calendar month.

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 1401, 6-15-2001]

[Devices subject to this condition : D823]

- C1.32 The operator shall limit the throughput to no more than 1,868,740 gallon(s) in any one calendar month.

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 1401, 6-15-2001]

[Devices subject to this condition : D824]

- C1.33 The operator shall limit the throughput to no more than 8,160,740 gallon(s) in any one calendar month.

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 1401, 6-15-2001]

[Devices subject to this condition : D829]



**FACILITY PERMIT TO OPERATE
EQUILON ENTER. LLC, SHELL OIL PROD. US**

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

C1.34 The operator shall limit the throughput to no more than 41,667 gallon(s) in any one calendar month.

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 1401, 6-15-2001]

[Devices subject to this condition : D838]

C1.35 The operator shall limit the throughput to no more than 83,334 gallon(s) in any one calendar month.

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

For the purpose of this condition, throughput shall be defined as material loaded into tank cars and does not include unloading of material from tank cars.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1401, 6-15-2001]

[Devices subject to this condition : D835, D836, D840]

C1.36 The operator shall limit the load to no more than 300 cubic feet per minute.



FACILITY PERMIT TO OPERATE EQUILON ENTER. LLC, SHELL OIL PROD. US

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, the load shall be defined as the total waste gas flow to this equipment measured in actual cubic feet per minute.

The operator shall use a flowmeter and recorder to continuously measure and record the waste gas flow rate to the afterburner.

The flow meter shall be calibrated according to manufacturer specifications.

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

This waste gas limit is based on the waste gas flow rate at which the vapor control system demonstrated compliance with the 99% VOC control efficiency limit of permit condition E193.2 and the SCAQMD Rule 462 VOC limit of 0.08 lb. per thousand gallons of organic liquid transferred.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 462, 5-14-1999]

[Devices subject to this condition : C764]

- C1.37 The operator shall limit the throughput to no more than 9.125e+06 barrel(s) in any one year.

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

[Devices subject to this condition : D146, D148, D152, D174, D175, D176, D177, D178, D179, D180, D181, D182, D183, D184, D186, D187, D188, D189, D190, D192, D193, D194, D195, D196, D197, D198, D199, D200, D201, D353, D354, D355, D356, D357, D750]

- C1.38 The operator shall limit the throughput to no more than 7.3e+06 barrel(s) in any one year.



**FACILITY PERMIT TO OPERATE
EQUILON ENTER. LLC, SHELL OIL PROD. US**

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]

[Devices subject to this condition : D147, D149, D153, D154, D155, D156, D157, D158, D159, D160, D161, D746]

C1.42 The operator shall limit the operating time to no more than 199.99 hour(s) in any one year.

For the purpose of this condition, the operating time is inclusive of the time allotted for maintenance and testing.

**[RULE 1110.2, 2-1-2008; RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996;
RULE 2012, 5-6-2005]**

[Devices subject to this condition : D926]

C1.43 The operator shall limit the operating time to no more than 30 hour(s) in any one year.

For the purpose of this condition, operating time is defined as the time used solely for maintenance and testing.

[RULE 204, 10-8-1993]

[Devices subject to this condition : D926]

C1.44 The operator shall limit the fuel usage to no more than 8.9 MM cubic feet in any one calendar month.



FACILITY PERMIT TO OPERATE EQUILON ENTER. LLC, SHELL OIL PROD. US

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, fuel usage shall be defined as natural gas usage and cubic feet shall be defined as standard cubic feet.

The operator shall use a totalizing flow meter to continuously measure the natural gas flow rate to the afterburner.

The operator shall record the calendar monthly natural gas usage as determined from the totalizing flow meter.

The flow meter shall be calibrated according to manufacturer specifications.

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

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

[Devices subject to this condition : C764]

C1.45 The operator shall limit the fuel usage to no more than 21,904,762 cubic feet per year.

For the purpose of this condition, fuel usage shall be defined as natural gas usage, cubic feet shall be defined as standard cubic feet, and year shall be defined as RECLAIM reporting year of July 1 through June 30 for a Cycle 2 RECLAIM Facility.

The operator shall use a totalizing flow meter to continuously measure the natural gas flow rate to the afterburner.

The flow meter shall be calibrated according to manufacturer specifications.

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

[RULE 2012(e)(1)(A)(i)-NOx Process Unit, 12-7-1995]



**FACILITY PERMIT TO OPERATE
EQUILON ENTER. LLC, SHELL OIL PROD. US**

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 : C764]

C1.47 The operator shall limit the throughput to no more than 300,000 barrel(s) in any one month.



FACILITY PERMIT TO OPERATE EQUILON ENTER. LLC, SHELL OIL PROD. US

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

The operator shall use an automatic tank level gauge (ATLG) to continuously measure the liquid surface level movement. Tank liquid surface level data shall be recorded hourly and these hourly levels will be used to calculate level changes. The hourly level readings shall be used to calculate the total one-way liquid surface level movement, in feet, on a monthly basis.

The operator shall calculate monthly throughput by the following equation: $5.9 \times D \times D \times L$, where D is the diameter of the tank in feet and L is the total one-way liquid surface level movement in feet per month as determined by the hourly level readings.

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 1/4 inch, the ATLG shall be repaired. While the ATLG is being repaired, throughput shall be determined by hourly tank level data averaged for the previous 30 days, prior to the discovery of the discrepancy.

In the case of a failure or shutdown of the measuring device and/or recorder, excluding routine maintenance, the requirements of this condition shall not apply for a period not to exceed 24 consecutive hours from the time of its discovery. During the period of failure or shutdown, throughput shall be determined by hourly liquid level data averaged for the previous 30 calendar days.

In the case of routine maintenance, the requirements of this condition shall not apply for a period not to exceed 4 hours in any calendar day. During the period of routine maintenance, throughput shall be determined by hourly tank level data averaged for the previous 30 calendar days, unless it is documented that the liquid level did not change between the beginning and end of the period of routine maintenance.

The operator shall keep monthly records on the throughput and the Reid vapor pressure for each commodity stored in the equipment.

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



**FACILITY PERMIT TO OPERATE
EQUILON ENTER. LLC, SHELL OIL PROD. US**

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; RULE 1401, 6-15-2001]

[Devices subject to this condition : D135]

C1.48 The operator shall limit the throughput to no more than 90,079 barrel(s) in any one month.



FACILITY PERMIT TO OPERATE EQUILON ENTER. LLC, SHELL OIL PROD. US

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

The operator shall use an automatic tank level gauge (ATLG) to continuously measure the liquid surface level movement. Tank liquid surface level data shall be recorded hourly and these hourly levels will be used to calculate level changes. The hourly level readings shall be used to calculate the total one-way liquid surface level movement, in feet, on a monthly basis.

The operator shall calculate monthly throughput by the following equation: $5.9 \times D \times D \times L$, where D is the diameter of the tank in feet and L is the total one-way liquid surface level movement in feet per month as determined by the hourly level readings.

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 1/4 inch, the ATLG shall be repaired. While the ATLG is being repaired, throughput shall be determined by hourly tank level data averaged for the previous 30 days, prior to the discovery of the discrepancy.

In the case of a failure or shutdown of the measuring device and/or recorder, excluding routine maintenance, the requirements of this condition shall not apply for a period not to exceed 24 consecutive hours from the time of its discovery. During the period of failure or shutdown, throughput shall be determined by hourly liquid level data averaged for the previous 30 calendar days.

In the case of routine maintenance, the requirements of this condition shall not apply for a period not to exceed 4 hours in any calendar day. During the period of routine maintenance, throughput shall be determined by hourly tank level data averaged for the previous 30 calendar days, unless it is documented that the liquid level did not change between the beginning and end of the period of routine maintenance.

The operator shall keep monthly records on the throughput and the Reid vapor pressure for each commodity stored in the equipment.

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



**FACILITY PERMIT TO OPERATE
EQUILON ENTER. LLC, SHELL OIL PROD. US**

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; RULE 1401, 6-15-2001]

[Devices subject to this condition : D136]

- C6.1 The operator shall use this equipment in such a manner that the hydrocarbon concentration being monitored, as indicated below, does not exceed 50 percent of the Lower Explosive Limit.

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

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

[Devices subject to this condition : D148, D174, D175, D176, D177, D178, D179, D180, D181, D182, D184, D186, D187, D188, D189, D190, D192, D193, D194, D355, D750]

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

The operator shall use a lower explosive meter to monitor the hydrocarbon concentration. The operator shall monitor the Lower Explosive Limit once every six months.

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

[Devices subject to this condition : D195, D196, D197, D356]

- C6.5 The operator shall use this equipment in such a manner that the pressure being monitored, as indicated below, does not exceed 2.25 inches water column.



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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) pressure gauge to accurately indicate the pressure in the vapor holding tank.

The measuring device or gauge shall be accurate to within plus or minus 0.2 inches water column. It shall be calibrated once every 12 months.

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

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

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

[Devices subject to this condition : D330, D763]

C6.6 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 100 Deg F.

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; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D135, D136]

C8.2 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, is not less than 1500 Deg F.



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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) temperature reading device to accurately indicate the temperature in the firebox or in the ductwork immediately downstream from the firebox.

The operator shall calibrate and maintain the temperature measurement system per the manufacturer's recommendation. It shall be calibrated once every 12 months. The temperature measurement system shall be accurate to within plus or minus 50 degrees F.

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(b)(2)-Offset, 5-10-1996; RULE 1401, 6-15-2001; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 462, 5-14-1999]

[Devices subject to this condition : C764]

D. Monitoring/Testing Requirements

D12.1 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 1470, 6-1-2007; RULE 2012, 5-6-2005]

[Devices subject to this condition : D926]

D12.2 The operator shall install and maintain a(n) non-resettable totalizing fuel meter to accurately indicate the fuel usage of the engine.

[RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996; RULE 2012, 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:

[Devices subject to this condition : D926]

D28.2 The operator shall conduct source test(s) in accordance with the following specifications:

The test shall be conducted after District approval of a source test protocol submitted in accordance with Section E- Administrative condition.

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

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 to determine: 1) the VOC emission rate at the inlet and exhaust of the thermal oxidizer, 2) the VOC control efficiency of the thermal oxidizer, and 3) mass emission rates of NOX, CO, and excess O2 at the exhaust of the thermal oxidizer. The loading rate in barrels per hour shall also be recorded during the source test.

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

[Devices subject to this condition : C764]

D90.1 The operator shall periodically monitor the hydrocarbon concentration at the outlet of the carbon canister according to the following specifications:

The operator shall monitor once every week.

[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 : C3, C24]



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

E. Equipment Operation/Construction Requirements

E17.1 The operator shall not fill more than 2 of the following items simultaneously:

Device ID: D133 [STORAGE TANK, NO. 30-6]

Device ID: D130 [STORAGE TANK, NO. 30-4]

Device ID: D132 [STORAGE TANK, NO. 30-5]

Device ID: D134 [STORAGE TANK, NO. 30-7]

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

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

[Devices subject to this condition : D130, D132, D133, D134]

E17.2 The operator shall not fill more than 1 of the following items simultaneously:



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

Device ID: D167 [STORAGE TANK, NO. 7001A]

This condition shall only apply when the filling rate is greater than 300 gpm.

Device ID: D85 [STORAGE TANK, NO. 12-6]

Device ID: D122 [STORAGE TANK, NO. 20-5]

Device ID: D168 [STORAGE TANK, NO. 7002]

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

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

[Devices subject to this condition : D85, D122, D167, D168]

E17.3 The operator shall not fill more than 1 of the following items simultaneously:

Device ID: D71 [STORAGE TANK, NO. 12-14]

Device ID: D166 [STORAGE TANK, NO. 6004]

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

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

[Devices subject to this condition : D71, D166]

E71.5 The operator shall not fill this equipment if any storage tank which is also connected to the gas holder, D330, is being filled, unless the filling is from the pipeline blender which produces a single stream at a rate of 300 gpm or less.



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

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

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

[Devices subject to this condition : D41]

E71.8 The operator shall only use this equipment for the storage of any of the following commodities: Alkylate, Diesel Fuel, Denatured Ethanol, Iso-Octane, Jet Fuel, and Gasoline.

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

[Devices subject to this condition : D355]

E71.9 The operator shall only use this equipment for the storage of any of the following commodities: Bio-Diesel , Petroleum Diesel , and jet products (or mixtures of these)..

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

[Devices subject to this condition : D135, D136]

E131.1 The operator shall maintain a vapor-tight seal between the adaptor and compartment hatch when loading organic liquids.

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

[Devices subject to this condition : D823, D824, D829, D838]

E153.1 The operator shall change over the carbon in the adsorber whenever breakthrough occurs.



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

For the purpose of this condition, breakthrough occurs when the hydrocarbon monitor reading indicates a concentration of 500 ppmv at the outlet of each carbon.

[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 : C3, C24]

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

If the height of the bladder reaches 24 feet, an audible alarm that can be heard at the Equilon and Ashland facilities shall be sounded and all loading, unloading, filling, blending, and washing operations that cause vapors to flow to this equipment shall be stopped immediately

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

[Devices subject to this condition : D330, D763]

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

The operator shall operate and maintain this equipment to achieve a minimum overall control efficiency of 99% for VOC

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 463, 5-6-2005]

[Devices subject to this condition : C764]

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



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

This equipment shall only operate if utility electricity is not available

This equipment shall only be operated for the primary purpose of providing a backup source of power to drive a fire pump

This equipment shall only be operated for maintenance and testing, not to exceed 30 hours in any one year

An engine operating log shall be kept in writing, listing the date of operation, the elapsed time, in hours, and the reason for operation. The log shall be maintained for a minimum of 5 years and made available to AQMD personnel upon request

[RULE 1470, 6-1-2007]

[Devices subject to this condition : D926]

E336.1 The operator shall vent the vent gases from this equipment as follows:

All nitrogen blowing of the unloading coupling and transfer hose shall be directed to tanks D162, D164 or D165 for a duration not to exceed 1 minute per disconnect. The opened hose shall then be capped.

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

[Devices subject to this condition : D835]

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



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

All vent gases shall be vented to vapor holding tank T-7011 (D330) and/or vapor holding tank T-7012 (D763).

This equipment shall not be operated unless the vapor holding tank(s) are in full use and have a valid permit to receive vent gases from this equipment.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1401, 6-15-2001; RULE 462, 5-14-1999]

[Devices subject to this condition : D33, D41, D71, D85, D93, D94, D95, D96, D99, D100, D101, D102, D103, D105, D116, D118, D120, D122, D124, D125, D126, D128, D129, D130, D131, D132, D133, D134, D137, D162, D164, D165, D166, D167, D168, D760, D762, D823, D824, D829, D835, D836, D838, D840]

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

All vent gases shall be vented to afterburner H-7015 (C764), which shall be in full use and have a valid permit to receive vent gases from this equipment.

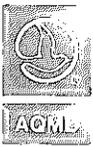
[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1401, 6-15-2001; RULE 462, 5-14-1999]

[Devices subject to this condition : D330, D763]

H. Applicable Rules

H23.2 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
Refrigerants	District Rule	1415



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

[RULE 1415, 10-14-1994]

[Devices subject to this condition : E847]

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

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1122
VOC	District Rule	1171

[RULE 1122, 12-6-2002; **RULE 1122, 10-1-2004**; **RULE 1171, 11-7-2003**; RULE 1171, 2-1-2008]

[Devices subject to this condition : E852]

H23.4 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 : E854]

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

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1173



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

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

[Devices subject to this condition : D385, D809, D810, D811, D812, D813, D856, D857, D858, D859, D862, D865, D866, D867, D868, D869, D870, D871, D872, D874]

H23.13 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
HAPs	40CFR63, SUBPART	R

[40CFR 63 Subpart R, 4-6-2006]

[Devices subject to this condition : D148, D174, D175, D176, D177, D178, D179, D180, D181, D182, D183, D184, D186, D187, D188, D189, D190, D192, D193, D194, D195, D196, D197, D198, D199, D200, D201, D202, D355, D356, D750]

H23.14 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 : D926]

H23.16 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
PM	District Rule	1140

[RULE 1140, 2-1-1980; RULE 1140, 8-2-1985]

[Devices subject to this condition : E953]

H23.17 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1171

[RULE 1171, 11-7-2003; RULE 1171, 2-1-2008]

[Devices subject to this condition : E956, E957]

H23.18 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
HAPs	40CFR63, SUBPART	EEEE

[40CFR 63 Subpart EEEE, 7-28-2006]



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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 : D27, D28, D29, D30, D32, D71, D72, D73, D74, D75, D76, D77, D78, D79, D80, D81, D82, D83, D84, D85, D86, D87, D88, D89, D90, D91, D92, D93, D94, D95, D96, D97, D98, D99, D102, D103, D104, D105, D106, D107, D108, D109, D110, D111, D112, D113, D114, D115, D116, D118, D119, D120, D121, D122, D123, D124, D125, D126, D127, D129, D130, D131, D132, D133, D134, D137, D162, D163, D164, D165, D166, D167, D168, D169, D172, D760, D761, D762, D832, D834, D856, D857, D858, D870, D871]

I. Administrative

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.

To comply with this condition, the operator shall, prior to each compliance year hold minimum NOx RTCs of 1,129 lbs and minimum SOx RTCs of 75 lbs

In accordance with Rule 2005(f), unused RTCs may be sold only during the reconciliation period for the fourth quarter of the applicable compliance year inclusive of the 1st compliance year

[RULE 2005, 5-6-2005]

[Devices subject to this condition : D926]

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:

Throughput and vapor pressure of the stored liquid

[RULE 463, 5-6-2005]

[Devices subject to this condition : D64, D72, D73, D74, D75, D76, D77, D78, D79, D80, D81, D82, D83, D84, D86, D87, D88, D89, D90, D91, D92, D96, D97, D98, D104, D106, D107, D108, D109, D110, D111, D112, D113, D114, D115, D117, D119, D121, D123, D125, D127, D135, D136, D137, D138, D139, D140, D141, D142, D143, D144, D145, D163, D169, D171, D172, D173, D352, D758, D759]

K67.6 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.

[RULE 109, 5-2-2003; RULE 1113, 11-8-1996; RULE 1113, 7-13-2007]

[Devices subject to this condition : E853]

K67.9 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:

Date of operation, the elapsed time, in hours, and the reason for operation

[RULE 2012, 5-6-2005]

[Devices subject to this condition : D926]



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EQUILON ENTER. LLC, SHELL OIL PROD. US**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 2: OIL WATER SEPARATORS					
System 5: OPERATING WATER HANDLING SYSTEM					
FILTER, SE-4592, COALESCER, SERVING TANK 721, LENGTH: 3 FT 8 IN; DIAMETER: 1 FT 4 IN A/N: 348879 † Permit to Construct Issued: 06/03/97	D351				
PUMP, CENTRIFUGAL, P-8582, SEALLESS, WITH 3-HP MOTOR A/N: 348879 † Permit to Construct Issued: 06/03/97	D726				H23.5
FILTER, SE-4598, COALESCER, SERVING TANK 576, LENGTH: 3 FT 8 IN; DIAMETER: 1 FT 4 IN A/N: 348879 † Permit to Construct Issued: 06/03/97	D727				
PUMP, CENTRIFUGAL, P-8588, SEALLESS, WITH 3-HP MOTOR A/N: 348879 † Permit to Construct Issued: 06/03/97	D728				H23.5
FILTER, SE-4595, COALESCER, SERVING TANK 582, LENGTH: 3 FT 8 IN; DIAMETER: 1 FT 4 IN A/N: 348879 † Permit to Construct Issued: 06/03/97	D729				
PUMP, CENTRIFUGAL, P-8585, SEALLESS, WITH 3-HP MOTOR A/N: 348879 † Permit to Construct Issued: 06/03/97	D730				H23.5
FILTER, SE-4596, COALESCER, SERVING TANK 586, LENGTH: 3 FT 8 IN; DIAMETER: 1 FT 4 IN A/N: 348879 † Permit to Construct Issued: 06/03/97	D731				

- * (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.

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



FACILITY PERMIT TO OPERATE EQUILON ENTER. LLC, SHELL OIL PROD. US

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 2: OIL WATER SEPARATORS					
PUMP, CENTRIFUGAL, P-8586, SEALLESS, WITH 3-HP MOTOR A/N: 348879 † Permit to Construct Issued: 06/03/97	D732				H23.5
FILTER, SE-4597, COALESCER, SERVING TANK 587, LENGTH: 3 FT 8 IN; DIAMETER: 1 FT 4 IN A/N: 348879 † Permit to Construct Issued: 06/03/97	D733				
PUMP, CENTRIFUGAL, P-8587, SEALLESS, WITH 3-HP MOTOR A/N: 348879 † Permit to Construct Issued: 06/03/97	D734				H23.5
FILTER, SE-4593, COALESCER, SERVING TANK 722, LENGTH: 3 FT 8 IN; DIAMETER: 1 FT 4 IN A/N: 348879 † Permit to Construct Issued: 06/03/97	D735				
PUMP, CENTRIFUGAL, P-8583, SEALLESS, WITH 3-HP MOTOR A/N: 348879 † Permit to Construct Issued: 06/03/97	D736				H23.5
FILTER, SE-4594, COALESCER, SERVING TANK 723, LENGTH: 3 FT 8 IN; DIAMETER: 1 FT 4 IN A/N: 348879 † Permit to Construct Issued: 06/03/97	D737				
PUMP, CENTRIFUGAL, P-8584, SEALLESS, WITH 3-HP MOTOR A/N: 348879 † Permit to Construct Issued: 06/03/97	D738				H23.5

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



**FACILITY PERMIT TO OPERATE
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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 2: OIL WATER SEPARATORS					
FILTER, SE-4599, COALESCER, SERVING TANK 508, LENGTH: 3 FT 8 IN; DIAMETER: 1 FT 4 IN A/N: 348879 † Permit to Construct Issued: 06/03/97	D739				
PUMP, CENTRIFUGAL, P-8589, SEALLESS, WITH 3-HP MOTOR A/N: 348879 † Permit to Construct Issued: 06/03/97	D740				H23.5
FILTER, SE-4600, COALESCER, SERVING TANK 512, LENGTH: 3 FT 8 IN; DIAMETER: 1 FT 4 IN A/N: 348879 † Permit to Construct Issued: 06/03/97	D741				
PUMP, CENTRIFUGAL, P-8590, SEALLESS, WITH 3-HP MOTOR A/N: 348879 † Permit to Construct Issued: 06/03/97	D742				H23.5
FILTER, SE-4601, COALESCER, SERVING TANK 513, LENGTH: 3 FT 8 IN; DIAMETER: 1 FT 4 IN A/N: 348879 † Permit to Construct Issued: 06/03/97	D743				
PUMP, CENTRIFUGAL, P-8591, SEALLESS, WITH 3-HP MOTOR A/N: 348879 † Permit to Construct Issued: 06/03/97	D744				H23.5
TANK, HOLDING, M-2548, WASTE WATER, 3000 GALS; DIAMETER: 8 FT ; HEIGHT: 9 FT A/N: 348879 † Permit to Construct Issued: 06/03/97	D745				

- * (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
EQUILON ENTER. LLC, SHELL OIL PROD. US**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 2: OIL WATER SEPARATORS					
FILTER, SE-4619, COALESCER, SERVING TANK 501, LENGTH: 3 FT 8 IN; DIAMETER: 1 FT 4 IN A/N: 348879 † Permit to Construct Issued: 06/03/97	D765				
FILTER, SE-4620, COALESCER, SERVING TANK 502, LENGTH: 3 FT 8 IN; DIAMETER: 1 FT 4 IN A/N: 348879 † Permit to Construct Issued: 06/03/97	D766				
FILTER, SE-4621, COALESCER, SERVING TANK 504, LENGTH: 3 FT 8 IN; DIAMETER: 1 FT 4 IN A/N: 348879 † Permit to Construct Issued: 06/03/97	D767				
FILTER, SE-4622, COALESCER, SERVING TANK 505, LENGTH: 3 FT 8 IN; DIAMETER: 1 FT 4 IN A/N: 348879 † Permit to Construct Issued: 06/03/97	D768				
FILTER, SE-4623, COALESCER, SERVING TANK 506, LENGTH: 3 FT 8 IN; DIAMETER: 1 FT 4 IN A/N: 348879 † Permit to Construct Issued: 06/03/97	D769				
FILTER, SE-4624, COALESCER, SERVING TANK 507, LENGTH: 3 FT 8 IN; DIAMETER: 1 FT 4 IN A/N: 348879 † Permit to Construct Issued: 06/03/97	D770				

- * (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
EQUILON ENTER. LLC, SHELL OIL PROD. US**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 2: OIL WATER SEPARATORS					
FILTER, SE-4625, COALESCER, SERVING TANK 509, LENGTH: 3 FT 8 IN; DIAMETER: 1 FT 4 IN A/N: 348879 † Permit to Construct Issued: 06/03/97	D771				
FILTER, SE-4626, COALESCER, SERVING TANK 510, LENGTH: 3 FT 8 IN; DIAMETER: 1 FT 4 IN A/N: 348879 † Permit to Construct Issued: 06/03/97	D772				
FILTER, SE-4627, COALESCER, SERVING TANK 511, LENGTH: 3 FT 8 IN; DIAMETER: 1 FT 4 IN A/N: 348879 † Permit to Construct Issued: 06/03/97	D773				
FILTER, SE-4628, COALESCER, SERVING TANK 514, LENGTH: 3 FT 8 IN; DIAMETER: 1 FT 4 IN A/N: 348879 † Permit to Construct Issued: 06/03/97	D774				
FILTER, SE-4629, COALESCER, SERVING TANK 515, LENGTH: 3 FT 8 IN; DIAMETER: 1 FT 4 IN A/N: 348879 † Permit to Construct Issued: 06/03/97	D775				
FILTER, SE-4630, COALESCER, SERVING TANK 560, LENGTH: 3 FT 8 IN; DIAMETER: 1 FT 4 IN A/N: 348879 † Permit to Construct Issued: 06/03/97	D776				

- * (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 EQUILON ENTER. LLC, SHELL OIL PROD. US

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 2: OIL WATER SEPARATORS					
FILTER, SE-4631, COALESCER, SERVING TANK 561, LENGTH: 3 FT 8 IN; DIAMETER: 1 FT 4 IN A/N: 348879 † Permit to Construct Issued: 06/03/97	D777				
FILTER, SE-4632, COALESCER, SERVING TANK 564, LENGTH: 3 FT 8 IN; DIAMETER: 1 FT 4 IN A/N: 348879 † Permit to Construct Issued: 06/03/97	D778				
FILTER, SE-4633, COALESCER, SERVING TANK 565, LENGTH: 3 FT 8 IN; DIAMETER: 1 FT 4 IN A/N: 348879 † Permit to Construct Issued: 06/03/97	D779				
FILTER, SE-4634, COALESCER, SERVING TANK 566, LENGTH: 3 FT 8 IN; DIAMETER: 1 FT 4 IN A/N: 348879 † Permit to Construct Issued: 06/03/97	D780				
FILTER, SE-4635, COALESCER, SERVING TANK 568, LENGTH: 3 FT 8 IN; DIAMETER: 1 FT 4 IN A/N: 348879 † Permit to Construct Issued: 06/03/97	D781				
FILTER, SE-4636, COALESCER, SERVING TANK 569, LENGTH: 3 FT 8 IN; DIAMETER: 1 FT 4 IN A/N: 348879 † Permit to Construct Issued: 06/03/97	D782				

* (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
Process 2: OIL WATER SEPARATORS					
FILTER, SE-4637, COALESCER, SERVING TANK 580, LENGTH: 3 FT 8 IN; DIAMETER: 1 FT 4 IN A/N: 348879 † Permit to Construct Issued: 06/03/97	D783				
FILTER, SE-4638, COALESCER, SERVING TANK 581, LENGTH: 3 FT 8 IN; DIAMETER: 1 FT 4 IN A/N: 348879 † Permit to Construct Issued: 06/03/97	D784				
FILTER, SE-4639, COALESCER, SERVING TANK 585, LENGTH: 3 FT 8 IN; DIAMETER: 1 FT 4 IN A/N: 348879 † Permit to Construct Issued: 06/03/97	D785				
FILTER, SE-4640, COALESCER, SERVING TANK 725, LENGTH: 3 FT 8 IN; DIAMETER: 1 FT 4 IN A/N: 348879 † Permit to Construct Issued: 06/03/97	D786				
FILTER, SE-4641, COALESCER, SERVING TANK 726, LENGTH: 3 FT 8 IN; DIAMETER: 1 FT 4 IN A/N: 348879 † Permit to Construct Issued: 06/03/97	D787				
FILTER, SE-4642, COALESCER, SERVING TANK 727, LENGTH: 3 FT 8 IN; DIAMETER: 1 FT 4 IN A/N: 348879 † Permit to Construct Issued: 06/03/97	D788				

- * (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 EQUILON ENTER. LLC, SHELL OIL PROD. US

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 2: OIL WATER SEPARATORS					
FILTER, SE-4643, COALESCER, SERVING TANK 729, LENGTH: 3 FT 8 IN; DIAMETER: 1 FT 4 IN A/N: 348879 † Permit to Construct Issued: 06/03/97	D789				
FILTER, SE-4644, COALESCER, SERVING TANK 730, LENGTH: 3 FT 8 IN; DIAMETER: 1 FT 4 IN A/N: 348879 † Permit to Construct Issued: 06/03/97	D790				
FILTER, SE-4645, COALESCER, SERVING TANK 733, LENGTH: 3 FT 8 IN; DIAMETER: 1 FT 4 IN A/N: 348879 † Permit to Construct Issued: 06/03/97	D791				
FILTER, SE-4646, COALESCER, SERVING TANK 503, LENGTH: 3 FT 8 IN; DIAMETER: 1 FT 4 IN A/N: 348879 † Permit to Construct Issued: 06/03/97	D792				
PUMP, (28), AIR OPERATED DIAPHRAGM, 20 GPM EACH A/N: 348879 † Permit to Construct Issued: 06/03/97	D793				H23.5
PUMP, FEED WATER, P-8659, AIR OPERATED DIAPHRAGM, 100 GPM A/N: 348879 † Permit to Construct Issued: 06/03/97	D816				H23.5
Process 3: STORAGE TANKS					
System 2: INTERNAL FLOATING ROOF TANKS					
					S13.2

- * (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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EQUILON ENTER. LLC, SHELL OIL PROD. US**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 3 STORAGE TANKS					
STORAGE TANK, INTERNAL FLOATING ROOF, TANK 572, GASOLINE OR ISO-OCTANE, 79398 BBL; DIAMETER: 117 FT 4 IN; HEIGHT: 41 FT 10 IN WITH A/N: 418357 Permit to Construct Issued: 01/29/04 FLOATING ROOF, PAN, WELDED SHELL PRIMARY SEAL, METALLIC SHOE SECONDARY SEAL, RIM MOUNTED, WIPER TYPE	D150				C1.19, C6.3, H23.13, K67.5
STORAGE TANK, INTERNAL FLOATING ROOF, TANK 573, GASOLINE OR ISO-OCTANE, 80065 BBL; DIAMETER: 117 FT 5 IN; HEIGHT: 41 FT 6 IN WITH A/N: 418358 Permit to Construct Issued: 01/29/04 FLOATING ROOF, PAN, WELDED SHELL PRIMARY SEAL, METALLIC SHOE SECONDARY SEAL, RIM MOUNTED, WIPER TYPE	D151				C1.19, C6.3, H23.13, K67.5

- * (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 EQUILON ENTER. LLC, SHELL OIL PROD. US

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 3: STORAGE TANKS					
STORAGE TANK, INTERNAL FLOATING ROOF, NO. 506, JET FUEL (JP4), GASOLINE, DIESEL FUEL, ETHANOL, 79183 BBL; DIAMETER: 117 FT 3 IN; HEIGHT: 41 FT 6 IN WITH A/N: 411432 Permit to Construct Issued: 05/16/03 FLOATING ROOF, PAN, WELDED SHELL PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY A, RIM MOUNTED, WIPER TYPE	D175				B22.5, C1.17, C6.2, H23.13
STORAGE TANK, INTERNAL FLOATING ROOF, NO. 511, WITH A 25 H.P. MIXER, 79008 BBL; DIAMETER: 117 FT 2 IN; HEIGHT: 41 FT 5 IN WITH A/N: 443364 Permit to Construct Issued: 06/15/05 FLOATING ROOF, PAN, WELDED SHELL PRIMARY SEAL, MECHANICAL SHOE SECONDARY SEAL, WIPER TYPE	D176				B22.5, C1.17, C6.1, H23.13

- * (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 H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 3: STORAGE TANKS					
STORAGE TANK, INTERNAL FLOATING ROOF, NO. 570, WITH A 20 H.P. MIXER, 80000 BBL; DIAMETER: 117 FT ; HEIGHT: 41 FT 5 IN WITH A/N: 397735 Permit to Construct Issued: 09/16/05 FLOATING ROOF, PAN, WELDED SHELL PRIMARY SEAL, LIQUID MOUNTED, MULTIPLE WIPER SECONDARY SEAL, RIM MOUNTED, MULTIPLE WIPER GUIDEPOLE, GASKETED COVER, WITH FLOAT, SLEEVE, WIPER, SLOTTED	D183				B22.5, C1.41, C6.3, E71.8, H23.11, H23.13, K67.8, K171.2
STORAGE TANK, RIVETED SHELL, INTERNAL FLOATING ROOF, NO. 577, 80488 BBL; DIAMETER: 117 FT 5 IN; HEIGHT: 41 FT 10 IN WITH A/N: 494231 Permit to Construct Issued: 12/22/10 FLOATING ROOF, PAN PRIMARY SEAL, MECHANICAL SHOE SECONDARY SEAL, WIPER TYPE	D184				B22.5, C1.37, C6.1, H23.13

- * (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 H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 3: STORAGE TANKS					
STORAGE TANK, INTERNAL FLOATING ROOF, NO. 583, PETROLEUM DISTILLATES, 117875 BBL; DIAMETER: 144 FT 2 IN; HEIGHT: 40 FT 6 IN WITH A/N: 456578 Permit to Construct Issued: 06/29/06 FLOATING ROOF, PAN, WELDED SHELL PRIMARY SEAL, CATEGORY A, MECHANICAL SHOE SECONDARY SEAL, CATEGORY A, WIPER TYPE	D185				B22.6, C1.46
STORAGE TANK, INTERNAL FLOATING ROOF, NO. 726, JET FUEL (JP4), GASOLINE, ETHANOL, FUEL OIL, 115603 BBL; DIAMETER: 144 FT 1 IN; HEIGHT: 40 FT 1 IN WITH A/N: 413667 Permit to Construct Issued: 05/16/03 FLOATING ROOF, PAN, WELDED SHELL PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY A, RIM MOUNTED, WIPER TYPE	D190				B22.5, C1.17, C6.2, H23.13

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 3: STORAGE TANKS					
STORAGE TANK, INTERNAL FLOATING ROOF, NO. 727, GASOLINE OR ISO-OCTANE, 117337 BBL; DIAMETER: 144 FT ; HEIGHT: 40 FT 6 IN WITH A/N: 418360 Permit to Construct Issued: 01/29/04 FLOATING ROOF, PAN, WELDED SHELL PRIMARY SEAL, METALLIC SHOE SECONDARY SEAL, RIM MOUNTED, WIPER TYPE	D191				C1.19, C6.3, H23.13, K67.5
STORAGE TANK, INTERNAL FLOATING ROOF, NO. 725, JET FUEL (JP4), GASOLINE, ETHANOL, FUEL OIL, 115666 BBL; DIAMETER: 144 FT 3 IN; HEIGHT: 40 FT 2 IN WITH A/N: 413664 Permit to Construct Issued: 05/16/03 FLOATING ROOF, PAN, WELDED SHELL PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, RIM MOUNTED, WIPER TYPE	D750				B22.5, C1.17, C6.2, H23.13

- * (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
Process 3: STORAGE TANKS					
STORAGE TANK, INTERNAL FLOATING ROOF, TANK 562, JET FUEL (JP4), GASOLINE, ETHANOL, FUEL OIL, WITH A 20 H.P. MIXER, 76534 BBL; DIAMETER: 117 FT 2 IN; HEIGHT: 41 FT 8 IN WITH A/N: 411179 Permit to Construct Issued: 06/27/03 FLOATING ROOF, PAN, WELDED SHELL PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY A, RIM MOUNTED, WIPER TYPE	D146				B22.5, C1.17, C6.3, H23.13
STORAGE TANK, INTERNAL FLOATING ROOF, NO. 563, JET FUEL (JP4), GASOLINE, ETHANOL, FUEL OIL, 76534 BBL; DIAMETER: 117 FT 2 IN; HEIGHT: 41 FT 10 IN WITH A/N: 411180 Permit to Construct Issued: 06/27/03 FLOATING ROOF, PAN, WELDED SHELL PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY A, RIM MOUNTED, WIPER TYPE	D171				B22.5, C1.17, C6.3, H23.11, H23.13

- * (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 H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 3. STORAGE TANKS					
STORAGE TANK, INTERNAL FLOATING ROOF, TANK 567, 79295 BBL; DIAMETER: 117 FT 2 IN; HEIGHT: 41 FT 10 IN WITH A/N: 448282 Permit to Construct Issued: 11/23/05 FLOATING ROOF, PAN, WELDED SHELL PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY A, RIM MOUNTED, WIPER TYPE	D147				B22.5, C1.17, C6.3, H23.11, H23.13, K67.8, K171.2

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



FACILITY PERMIT TO OPERATE EQUILON ENTER. LLC, SHELL OIL PROD. US

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 3: STORAGE TANKS					
STORAGE TANK, INTERNAL FLOATING ROOF, TANK 571, 79160 BBL; DIAMETER: 117 FT 2 IN; HEIGHT: 41 FT 10 IN WITH A/N: 399064 Permit to Construct Issued: 11/22/05 FLOATING ROOF, PAN, WELDED SHELL PRIMARY SEAL, CATEGORY A, MECHANICAL SHOE SECONDARY SEAL, CATEGORY A, RIM MOUNTED, MULTIPLE WIPER GUIDEPOLE, SLOTTED, WITH GASKETED SLIDING COVER, POLE WIPER, FLOAT, AND POLE FLOAT WIPER	D149				B22.13, C1.41, C6.3, E71.8, H23.11, H23.13, K67.8, K171.2
System 5: DOMED EXTERNAL FLOATING ROOF TANKS					S13.2

* (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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EQUILON ENTER. LLC, SHELL OIL PROD. US**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 3: STORAGE TANKS					
STORAGE TANK, DOMED EXTERNAL FLOATING ROOF, TK 1134, GASOLINE, 55535 BBL; DIAMETER: 100 FT ; HEIGHT: 40 FT WITH A/N: 414325 Permit to Construct Issued: 06/27/03 DOME COVER, GEODESIC FLOATING ROOF, PONTOON, WELDED SHELL PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY A, WIPER TYPE	D202				B22.5, C1.18, H23.13
STORAGE TANK, DOMED EXTERNAL FLOATING ROOF, TK 1515, GASOLINE, 33652 BBL; DIAMETER: 78 FT ; HEIGHT: 40 FT WITH A/N: 418544 Permit to Construct Issued: 01/29/04 FLOATING ROOF, PAN, WELDED SHELL PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY A, WIPER TYPE	D204				B22.5, C1.18, C6.4, H23.11, H23.13, K67.5

- * (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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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 3: STORAGE TANKS					
STORAGE TANK, DOMED EXTERNAL FLOATING ROOF, TK. 507, 78932 BBL; DIAMETER: 117 FT 2 IN; HEIGHT: 41 FT 10 IN WITH A/N: 427867 Permit to Construct Issued: 05/14/04 DOME COVER, GEODESIC FLOATING ROOF, PONTOON, RIVETED SHELL PRIMARY SEAL, METALLIC SHOE SECONDARY SEAL, WIPER TYPE	D198				B22.5, C1.39, C6.4, H23.13, K67.5
STORAGE TANK, DOMED EXTERNAL FLOATING ROOF, TK 509, 78735 BBL; DIAMETER: 117 FT 1 IN; HEIGHT: 41 FT 9 IN WITH A/N: 427872 Permit to Construct Issued: 05/14/04 DOME COVER, GEODESIC FLOATING ROOF, PONTOON, RIVETED SHELL PRIMARY SEAL, METALLIC SHOE SECONDARY SEAL, WIPER TYPE	D199				B22.5, C1.39, C6.4, H23.13, K67.5

- * (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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EQUILON ENTER. LLC, SHELL OIL PROD. US**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 3: STORAGE TANKS					
STORAGE TANK, DOMED EXTERNAL FLOATING ROOF, TK 510, 78879 BBL; DIAMETER: 117 FT 3 IN; HEIGHT: 41 FT 8 IN WITH A/N: 456577 Permit to Construct Issued: 06/29/06 DOME COVER, GEODESIC FLOATING ROOF PRIMARY SEAL, METALLIC SHOE SECONDARY SEAL, WIPER TYPE GUIDEPOLE, GASKETED SLIDING COVER, WITH WIPER, SLOTTED	D200				B22.5, C1.39, C6.4, H23.13, K67.5

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

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 3: STORAGE TANKS					
STORAGE TANK, DOMED EXTERNAL FLOATING ROOF, TK 576, WITH A 30 H.P. MIXER, 124539 BBL; DIAMETER: 150 FT ; HEIGHT: 40 FT WITH A/N: 452472 Permit to Construct Issued: 04/28/06 DOME COVER, GEODESIC FLOATING ROOF, PONTOON, WELDED SHELL PRIMARY SEAL, MECHANICAL SHOE SECONDARY SEAL, WIPER TYPE GUIDEPOLE, GASKETED SLIDING COVER, WITH WIPER, SLOTTED	D201				B22.5, C1.39, C6.4, H23.13, K67.5
Process 6: GROUNDWATER TREATMENT SYSTEM					
System 2: GROUNDWATER TREATMENT SYSTEM					S13.4
OIL WATER SEPARATOR, FIXED ROOF, CPI, GROUNDWATER, 300 BBL; WIDTH: 4 FT ; HEIGHT: 11 FT ; LENGTH: 11 FT A/N: 364661 Permit to Construct Issued: 03/10/00	D220	C845		VOC: 500 PPMV (4) [RULE 1303(a)(1)-BACT, 5-10-1996]	

- * (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 EQUILON ENTER. LLC, SHELL OIL PROD. US

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 6: GROUNDWATER TREATMENT SYSTEM					
TANK, SURGE, NO. 2541, GROUNDWATER, 9034 GALS; DIAMETER: 10 FT ; HEIGHT: 15 FT 6 IN A/N: 364661 Permit to Construct Issued: 03/10/00	D222	C845		VOC: 500 PPMV (4) [RULE 1303(a)(1)-BACT, 5-10-1996]	
CARBON ADSORBER, ACTIVATED CARBON, 2 TOTAL, CONNECTED IN SERIES, EACH 55-GALLON DRUM A/N: 364661 Permit to Construct Issued: 03/10/00	C845	D220 D222			D90.5, E153.2
TANK, SURGE, NO. 2551, GROUNDWATER, 1000 GALS; DIAMETER: 6 FT ; HEIGHT: 5 FT A/N: 364661 Permit to Construct Issued: 03/10/00	D843				
TANK, HOLDING, NO. 921, GROUNDWATER, 800000 GALS; DIAMETER: 60 FT ; HEIGHT: 39 FT 5 IN A/N: 364661 Permit to Construct Issued: 03/10/00	D844	C846		VOC: 500 PPMV (4) [RULE 1303(a)(1)-BACT, 5-10-1996]	
CARBON ADSORBER, ACTIVATED CARBON, 2 TOTAL, CONNECTED IN SERIES, EACH 55-GALLON DRUM A/N: 364661 Permit to Construct Issued: 03/10/00	C846	D844			D90.6, E153.2
PUMP, CENTRIFUGAL, P-8473, WITH SINGLE MECHANICAL SEAL, 10-HP A/N: 364661 Permit to Construct Issued: 03/10/00	D819				H23.5
System 3: GROUNDWATER BIOREACTOR TREATMENT SYSTEM					S13.4

- * (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 EQUILON ENTER. LLC, SHELL OIL PROD. US

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 6: GROUNDWATER TREATMENT SYSTEM					
REACTOR, BIOLOGICAL, WASTE WATER, 70,000 GALLON CAPACITY, FIBER GLASS PANEL FIXED ROOF COVER WITH PRV VALVE, WIDTH: 24 FT ; HEIGHT: 11 FT ; LENGTH: 42 FT A/N: 504107 Permit to Construct Issued: 12/22/10	D907	C915			D29.1, E193.3, K40.1
REACTOR, BIOLOGICAL, WASTE WATER, 70,000 GALLON CAPACITY, FIBERGLASS PANEL FIXED ROOF COVER WITH PRV VALVE, WIDTH: 24 FT ; HEIGHT: 11 FT ; LENGTH: 42 FT A/N: 504107 Permit to Construct Issued: 12/22/10	D908	C915			D29.1, E193.3, K40.1
BLOWER, THREE(3), AERATION, 350 CFM, MAXIMUM 2 IN OPERATION WITH ONE SPARE, A/N: 504107 Permit to Construct Issued: 12/22/10	D909				E193.3
CLARIFIER, FOUR(4), COVERED, WIDTH: 12 FT ; LENGTH: 12 FT A/N: 504107 Permit to Construct Issued: 12/22/10	D910				
TANK, SURGE, (BIOREACTOR SURGE TANK) EFFLUENT EQUALIZING, 1400 GALS; DIAMETER: 7 FT 2 IN; HEIGHT: 6 FT 4.25 IN A/N: 504107 Permit to Construct Issued: 12/22/10	D911				

- * (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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EQUILON ENTER. LLC, SHELL OIL PROD. US**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 6: GROUNDWATER TREATMENT SYSTEM					
PUMP, BIOREACTOR FEED, 3HP A/N: 504107 Permit to Construct Issued: 12/22/10	D912				
PUMP, EFFLUENT A/N: 504107 Permit to Construct Issued: 12/22/10	D913				
PUMP, SLUDGE DEWATERING, 2 TOTAL A/N: 504107 Permit to Construct Issued: 12/22/10	D914				
CARBON ADSORBER, TOTAL OF TWO CONNECTED IN SERIES, VENT SCRUB, MODEL VSC-3000, 3000 LBS A/N: 504107 Permit to Construct Issued: 12/22/10	C915	D907 D908			D90.3, D94.1, E128.1, E153.3, E440.1
BLOWER, 1000 CFM, VENTING 2 BIOREACTORS A/N: 504107 Permit to Construct Issued: 12/22/10	D916				E193.3
Process 7: CHEMICAL BULK LOADING					
System 11: ETHANOL BULK LOADING RACK					
BULK MATERIAL LOADING STATION WITH A/N: 379029 Permit to Construct Issued: 01/22/03 LOADING ARM, BOTTOM, TANK TRUCK, ETHANOL, 6 TOTAL; DIAMETER: 4 IN VAPOR RETURN LINE, 4 TOTAL; DIAMETER: 4 IN	D884	C887		VOC: 0.08 LBS/1000 GAL (5) [RULE 462, 5-14-1999]	C1.16, E71.7, K67.3, K67.7

- * (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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 7: CHEMICAL BULK LOADING					
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 379029 Permit to Construct Issued: 01/22/03	D890				H23.5, H23.13
AFTERBURNER, JOHN ZINK, MODEL ZCS-2-6-35-X-2/8, NATURAL GAS, EQUIPPED WITH A DETONATION ARRESTOR, 18 MMBTU/HR WITH A/N: 379030 Permit to Construct Issued: 01/22/03 BURNER, 2 TOTAL, NATURAL GAS FUEL FIRED VESSEL, VAPOR HOLDER, TK-2552, 4,452 BBLS CAPACITY, HEIGHT: 35 FT ; DIAMETER: 35 FT BLOWER, COMBUSTION AIR, 3 H.P. BLOWER, VAPOR, 15 H.P.	C887	D884	NOX: PROCESS UNIT**, SOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 0.83 LBS/MMSCF NATURAL GAS (1) [RULE 2011, 5-6-2005]	C8.1, D28.1, K171.1
STACK, HEIGHT: 35 FT ; DIAMETER: 6 FT A/N: 379030 Permit to Construct Issued: 01/22/03	S889				
Process 8: AIR POLLUTION CONTROL SYSTEM					

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 8: AIR POLLUTION CONTROL SYSTEM					
System 6: SOIL VAPOR EXTRACTION AND TREATMENT SYSTEM					S13.4
VAPOR EXTRACTION WELL, MULTIPLE WELLS A/N: 439557 Permit to Construct Issued: 06/15/05	D917	C919			E336.4
BLOWER, EXTRACTION, FLOWRATE 500 SCFM A/N: 439557 Permit to Construct Issued: 06/15/05	D918				

- * (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 H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

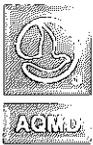
The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 8: AIR POLLUTION CONTROL SYSTEM					
OXIDIZER, CATALYTIC, THERMAL, CATALYTIC/THERMAL UNIT, 467,100 BTU/HR, NATURAL GAS WITH A/N: 439557 Permit to Construct Issued: 06/15/05	C919	D917	NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; VOC: 77 PPMV (4) [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]	B163.1, C1.40, D28.5
OXIDIZER, CATALYTIC, PLATINUM CATALYST ON STAINLESS STEEL MONOLITHIC TYPE, NATURAL GAS, WITH AN INTEGRAL HEAT EXCHANGER, A COMBUSTION BLOWER, 125 SCFM & TEMP-CONTROL, 0.467 MMBTU/HR	C920				C6.7, C8.4, C409.1, D28.4, K40.2
OXIDIZER, THERMAL, NATURAL GAS, WITH AN INTEGRAL HEAT EXCHANGER, A COMBUSTION BLOWER, 125 SCFM & TEMP-CONTROL, 0.467 MMBTU/HR	C921				C8.3

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 8: AIR POLLUTION CONTROL SYSTEM					
OXIDIZER, REGENERATIVE THERMAL OXIDIZER, WITH AN INTEGRAL HEAT EXCHANGER, NATURAL GAS, EXHAUST STACK 30 FT., NO RAIN CAP, 1.6 MMBTU/HR A/N: 464772 Permit to Construct Issued: 12/22/10	C939	D940 D941	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF (1); PM: 0.1 GRAINS/SCF (5) [RULE 404, 2-7-1986; RULE 409, 8-7-1981]; SOX: 0.506 LBS/MMSCF PROCESS GAS (1); SOX: 0.83 LBS/MMSCF NATURAL GAS (1); VOC: 25 PPMV (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]	A63.1, A229.4, A229.5, B163.2, C1.49, C8.5, D90.7, D90.8, E71.10, E71.11, E193.7, E193.8, E193.9, E193.11, E193.12
BLOWER, EXTRACTION, 3 BLOWERS (ONE AS SPARE) RATED AT 3000 SCFM EACH A/N: 464772 Permit to Construct Issued: 12/22/10	D940	C939			E336.5
VAPOR EXTRACTION WELL, MULTIPLE WELLS A/N: 464772 Permit to Construct Issued: 12/22/10	D941	C939			E336.5

- * (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.

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



**FACILITY PERMIT TO OPERATE
EQUILON ENTER. LLC, SHELL OIL PROD. US**

SECTION H: DEVICE ID INDEX

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



**FACILITY PERMIT TO OPERATE
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D201	20	3	5
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D204	17	3	5
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D351	1	2	5
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D777	6	2	5
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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

FACILITY CONDITIONS

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

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

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

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

F16.1 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Records of the monthly (or quarterly where applicable) and subsequent repair and reinspection of VOC fugitive components subject to Rule 1173.

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

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

40CFR80

Title 13, California Code of Regulations

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

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.

SYSTEM CONDITIONS



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

S13.1 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	462
HAPs	40CFR63, SUBPART	EEEE

[RULE 462, 5-14-1999; 40CFR 63 Subpart EEEE, 7-28-2006]

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

S13.2 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]

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

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

Contaminant	Rule	Rule/Subpart
HAPs	40CFR63, SUBPART	GGGGG

[40CFR 63 Subpart GGGGG, 11-29-2006]

[Systems subject to this condition : Process 6, System 1, 2, 3, 4; Process 8, System 6]



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

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

Contaminant	Rule	Rule/Subpart
VOC	40CFR60, SUBPART	XX
VOC	40CFR63, SUBPART	R

[40CFR 60 Subpart XX, 12-19-2003; 40CFR 63 Subpart R, 4-6-2006]

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

S31.1 The following BACT requirements shall apply to VOC service fugitive components associated with the devices that are covered by application number(s) 379029:



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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

The operator shall 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 fugitive components in VOC service shall be inspected monthly using EPA reference Method 21. The operator may revert to a quarterly inspection upon District approval, after two consecutive months of inspections in which only two percent or less of the fugitive components are detected to leak over 500 ppm above background.

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

All valves shall be bellow-seal 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 the horizontal position), special application valves with space limitation, and valves not commercially available. The District shall approve all exceptions to this requirement.

The District shall approve all exceptions to this requirement. All valves and major components shall be physically identified in the field with special markings that distinguish the components from non-BACT components. Additionally, all



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

components shall be identified as BACT components in the record.

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

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

DEVICE CONDITIONS

A. Emission Limits

A63.1 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
Benzene	Less than or equal to 1.75 ppmv

[RULE 1401, 6-5-2009]

[Devices subject to this condition : C939]

A229.4 The 1.75PPM emission limit is measured by a grab sample from the outlet of the vapor control system for benzene.

[RULE 1401, 6-5-2009]

[Devices subject to this condition : C939]

A229.5 The 25PPM emission limit is measured by calculating it as methane at the outlet of vapor control system for VOC.

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

[Devices subject to this condition : C939]

B. Material/Fuel Type Limits



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

B22.5 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 463, 5-6-2005]

[Devices subject to this condition : D146, D147, D171, D175, D176, D183, D184, D190, D198, D199, D200, D201, D202, D204, D750]

B22.6 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.

Material Safety Data Sheet (MSDS) shall be used to demonstrate compliance with this condition

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

[Devices subject to this condition : D185]

B22.13 The operator shall not use this equipment with materials having a(n) true vapor pressure of 8.2 psia or greater under actual operating conditions.

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

[Devices subject to this condition : D149]

B163.1 The operator shall only use this equipment subject to restrictions containing the following:



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

All vapor extraction wells and ducts shall be capped when not in use to prevent venting of vapors to the atmosphere. Vapors shall not be extracted from the soil unless they are vented to this equipment.

An identification tag or nameplate shall be displayed on the equipment to show manufacturer model and/or serial numbers. The tag(s) or plate(s) shall be issued by the manufacturer, and shall be adhered to the equipment in a permanent and conspicuous position.

Volatile organic compound (VOC) concentration shall be measured and recorded in parts per million by volume (ppmv) at the inlet and the outlet of this equipment once each week that this equipment is in operation. The operator shall use a flame ionization detector or other organic vapor analyzer (OVA) approved by the AQMD to measure the VOC concentration. The instrument shall be calibrated to hexane in ppmv.

Grab samples shall be collected at the inlet and outlet of this equipment once each quarter. The samples shall be speciated for benzene, toluene, ethylbenzene, and xylene in accordance with AQMD approved methods.

During the thermal mode of the oxidizer, the grab samples collected at the inlet shall be analyzed to determine that the concentration level for chlorinated compounds shall be lower than 7200 ppbv as methylene chloride to demonstrate compliance with the laboratory data submitted.

If a calibration gas other than hexane is used for calibrating the instrument used for VOC measurements, the concentration measured shall be correlated to and reported as hexane. The instrument shall be calibrated and maintained per EPA method 21.

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

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

[Devices subject to this condition : C919]



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

B163.2 The operator shall only use this equipment subject to restrictions containing the following:

All vapor extraction wells and ducts shall be capped when not in use to prevent venting of vapors to the atmosphere. Vapors shall not be extracted from the soil unless they are vented to this equipment.

An identification tag or nameplate shall be displayed on the equipment to show manufacturer model and/or serial numbers. The tag(s) or plate(s) shall be issued by the manufacturer, and shall be adhered to the equipment in a permanent and conspicuous position.

Volatile organic compound (VOC) concentration shall be measured and recorded in parts per million by volume (ppmv) at the inlet and the outlet of this equipment once each week that this equipment is in operation. The operator shall use a flame ionization detector or other organic vapor analyzer (OVA) approved by the AQMD to measure the VOC concentration. The instrument shall be reported as methane.

If a calibration gas other than methane is used for calibrating the instrument used for VOC measurements, the concentration measured shall be correlated to and reported as methane.

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

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

[Devices subject to this condition : C939]

C. Throughput or Operating Parameter Limits

C1.16 The operator shall limit the loading rate to no more than 30000 barrel(s) in any one day.

For the purpose of this condition, loading rate shall be defined as the rate of loading ethanol product.



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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 : D884]

C1.17 The operator shall limit the throughput to no more than 760,420 barrel(s) in any one calendar month.

Automatic tank level gauge (ATLG) shall be used to continuously measure the liquid surface level movement. Tank liquid surface level data shall be recorded every 15 minutes and these 15-minute levels will be used to calculate level changes. The 15-minute level readings shall be used to calculate the total one-way roof movement, in feet, on a monthly basis.

The operator shall calculate monthly throughput by the following equation: $0.14 \times D \times D \times L$, where D is the diameter of the tank in feet and L is the total one-way roof travel in feet per month as determined by the 15-minute level readings.

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 1/4 inch, the ATLG shall be repaired. While the ATLG is being repaired, throughput shall be determined by 15-minute tank level data averaged for the previous 30 days, prior to the discovery of the discrepancy.

The operator shall keep monthly records on the throughput and the Reid Vapor Pressure for each type of gasoline or Iso-octane stored in the equipment.

In the case of a failure or shutdown of the measuring device and/or recorder, excluding routine maintenance, the requirements of this condition shall not apply for a period not to exceed 24 consecutive hours from the time of its occurrence. During the period of failure or shutdown, throughput shall be determined by 15-minute tank level data averaged for the previous 30 calendar days.

In the case of routine maintenance, the requirements of this condition shall not apply for a period not to exceed 4 hours in any calendar day. During the period of routine maintenance, throughput shall be determined by 15-minute tank level data averaged for the previous 30 calendar days.



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

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

[Devices subject to this condition : D146, D147, D171, D175, D176, D190, D750]

C1.18 The operator shall limit the throughput to no more than 60,834 barrel(s) in any one calendar month.

In the case of routine maintenance, the requirements of this condition shall not apply for a period not to exceed 4 hours in any calendar day. During the period of routine maintenance, throughput shall be determined by 15-minute tank level data averaged for the previous 30 calendar days.

In the case of a failure or shutdown of the measuring device and/or recorder, excluding routine maintenance, the requirements of this condition shall not apply for a period not to exceed 24 consecutive hours from the time of its occurrence. During the period of failure or shutdown, throughput shall be determined by 15-minute tank level data averaged for the previous 30 calendar days.

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 1/4 inch, the ATLG shall be repaired. While the ATLG is being repaired, throughput shall be determined by 15-minute tank level data averaged for the previous 30 days, prior to the discovery of the discrepancy.

Automatic tank level gauge (ATLG) shall be used to continuously measure the liquid surface level movement. Tank liquid surface level data shall be recorded every 15 minutes and these 15-minute levels will be used to calculate level changes. The 15-minute level readings shall be used to calculate the total one-way roof movement, in feet, on a monthly basis.

The operator shall calculate monthly throughput by the following equation: $0.14 \times D \times D \times L$, where D is the diameter of the tank in feet and L is the total one-way roof travel in feet per month as determined by the 15-minute level readings.

The operator shall keep monthly records on the throughput and the Reid Vapor Pressure for each type of gasoline or Iso-octane stored in the equipment.



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

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

[Devices subject to this condition : D202, D204]

C1.19 The operator shall limit the throughput to no more than 760,500 barrel(s) in any one calendar month.

Automatic tank level gauge (ATLG) shall be used to continuously measure the liquid surface level movement. Tank liquid surface level data shall be recorded every 15 minutes and these 15-minute levels will be used to calculate level changes. The 15-minute level readings shall be used to calculate the total one-way roof movement, in feet, on a monthly basis.

The operator shall calculate monthly throughput by the following equation: $0.14 \times D \times D \times L$, where D is the diameter of the tank in feet and L is the total one-way roof travel in feet per month as determined by the 15-minute level readings.

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 1/4 inch, the ATLG shall be repaired. While the ATLG is being repaired, throughput shall be determined by 15-minute tank level data averaged for the previous 30 days, prior to the discovery of the discrepancy.

The operator shall keep monthly records on the throughput and the Reid Vapor Pressure for each type of gasoline or Iso-octane stored in the equipment.

In the case of a failure or shutdown of the measuring device and/or recorder, excluding routine maintenance, the requirements of this condition shall not apply for a period not to exceed 24 consecutive hours from the time of its occurrence. During the period of failure or shutdown, throughput shall be determined by 15-minute tank level data averaged for the previous 30 calendar days.

In the case of routine maintenance, the requirements of this condition shall not apply for a period not to exceed 4 hours in any calendar day. During the period of routine maintenance, throughput shall be determined by 15-minute tank level data averaged for the previous 30 calendar days.



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

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

[Devices subject to this condition : D150, D151, D191]

C1.37 The operator shall limit the throughput to no more than 9.125e+06 barrel(s) in any one year.

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

[Devices subject to this condition : D184]

C1.39 The operator shall limit the throughput to no more than 760,417 barrel(s) in any one calendar month.



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

Automatic tank level gauge (ATLG) shall be used to continuously measure the liquid surface level movement. Tank liquid surface level data shall be recorded every 15 minutes and these 15-minute levels will be used to calculate level changes. The 15-minute level readings shall be used to calculate the total one-way roof movement, in feet, on a monthly basis.

The operator shall calculate monthly throughput by the following equation: $0.14 \times D \times D \times L$, where D is the diameter of the tank in feet and L is the total one-way roof travel in feet per month as determined by the 15-minute level readings.

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 1/4 inch, the ATLG shall be repaired. While the ATLG is being repaired, throughput shall be determined by 15-minute tank level data averaged for the previous 30 days, prior to the discovery of the discrepancy.

The operator shall keep monthly records on the throughput and the Reid Vapor Pressure for each commodity stored in the equipment.

In the case of a failure or shutdown of the measuring device and/or recorder, excluding routine maintenance, the requirements of this condition shall not apply for a period not to exceed 24 consecutive hours from the time of its occurrence. During the period of failure or shutdown, throughput shall be determined by 15-minute tank level data averaged for the previous 30 calendar days.

In the case of routine maintenance, the requirements of this condition shall not apply for a period not to exceed 4 hours in any calendar day. During the period of routine maintenance, throughput shall be determined by 15-minute tank level data averaged for the previous 30 calendar days.

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

[Devices subject to this condition : D198, D199, D200, D201]

C1.40 The operator shall limit the load to no more than 500 cubic feet per minute.



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

For the purpose of this condition, the load shall be defined as the extracted gas stream entering the oxidizer measured in standard cubic feet per minute.

The operator shall install and maintain a flowmeter and a recorder to measure the total load rate. In case a pressure sensor device is used in place of the flow indicator, a conversion chart shall be available to indicate the correspondent flow rate, in scfm, to the pressure reading.

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]

[Devices subject to this condition : C919]

- C1.41 The operator shall limit the throughput to no more than 760,417 barrel(s) in any one calendar month.



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

The operator shall 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]

[Devices subject to this condition : D149, D183]

C1.46 The operator shall limit the throughput to no more than 608,334 barrel(s) in any one calendar month.



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

Automatic tank level gauge (ATLG) shall be used to continuously measure the liquid surface level movement. Tank liquid surface level data shall be recorded every 15 minutes and these 15-minute levels will be used to calculate level changes. The 15-minute level readings shall be used to calculate the total one-way roof movement, in feet, on a monthly basis.

The operator shall calculate monthly throughput by the following equation: $0.14 \times D \times D \times L$, where D is the diameter of the tank in feet and L is the total one-way roof travel in feet per month as determined by the 15-minute level readings.

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 1/4 inch, the ATLG shall be repaired. While the ATLG is being repaired, throughput shall be determined by 15-minute tank level data averaged for the previous 30 days, prior to the discovery of the discrepancy.

The operator shall keep monthly records on the throughput and the Vapor Pressure for each commodity stored in the equipment.

In the case of a failure or shutdown of the measuring device and/or recorder, excluding routine maintenance, the requirements of this condition shall not apply for a period not to exceed 24 consecutive hours from the time of its occurrence. During the period of failure or shutdown, throughput shall be determined by 15-minute tank level data averaged for the previous 30 calendar days.

In the case of routine maintenance, the requirements of this condition shall not apply for a period not to exceed 4 hours in any calendar day. During the period of routine maintenance, throughput shall be determined by 15-minute tank level data averaged for the previous 30 calendar days.

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

[Devices subject to this condition : D185]

C1.49 The operator shall limit the load to no more than 6000 cubic feet per minute.



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

For the purpose of this condition, the load shall be defined as the extracted gas stream entering the oxidizer measured in standard cubic feet per minute.

The operator shall install and maintain a flowmeter and a recorder to measure the total load rate. In case a pressure sensor device is used in place of the flow indicator, a conversion chart shall be available to indicate the correspondent flow rate, in scfm, to the pressure reading.

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]

[Devices subject to this condition : C939]

- C6.1 The operator shall use this equipment in such a manner that the hydrocarbon concentration being monitored, as indicated below, does not exceed 50 percent of the Lower Explosive Limit.

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

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

[Devices subject to this condition : D176, D184]

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

The operator shall use a lower explosive meter to monitor the hydrocarbon concentration. The operator shall monitor the Lower Explosive Limit once every six months.

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

[Devices subject to this condition : D175, D190, D750]



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

C6.3 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 to monitor the lower explosive limit (LEL) on a semi-annual basis.

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

[Devices subject to this condition : D146, D147, D149, D150, D151, D171, D183, D191]

C6.4 The operator shall use this equipment in such a manner that the hydrocarbon concentration being monitored, as indicated below, does not exceed 30 percent of the Lower Explosive Limit.

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

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

[Devices subject to this condition : D198, D199, D200, D201, D204]

C6.7 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 1200 Deg F.

The operator shall use a temperature recording device to accurately monitor the outlet temperature of the catalytic oxidizer.

[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 : C919]

C8.1 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, is not less than 1400 Deg F.



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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) temperature reading device to accurately indicate the temperature in the fire chamber of the thermal oxidizer.

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

[Devices subject to this condition : C887]

- C8.3 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, is not less than 1400 Deg F.

The operator shall install and maintain a temperature measurement and recording device at the outlet of of the combustion chamber. The measuring device shall be accurate of minus or plus 20 degrees Fahrenheit.

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

[Devices subject to this condition : C919]

- C8.4 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, is not less than 600 Deg F.

This condition shall only apply whenever the catalytic/thermal oxidizer is operating in the catalytic mode.

The operator shall install and maintain a temperature measurement and recording device at inlet of the first stage catalyst bed. The measuring device shall be accurate of minus or plus 20 degrees Fahrenheit.

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

[Devices subject to this condition : C919]

- C8.5 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, is not less than 1600 Deg F.



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This condition shall only apply whenever the regenerative thermal oxidizer is operating.

The operator shall install and maintain a temperature measurement and recording device at the outlet of the combustion chamber. The measuring device shall be accurate to plus or minus 20 degrees Fahrenheit.

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

[Devices subject to this condition : C939]

C409.1 The operator shall ensure that the catalyst used in this equipment shall meet the following specified requirements:

The operators shall perform an annual catalyst activity test to demonstrate that the catalyst meets the manufacturer's specifications.

[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 : C919]

D. Monitoring/Testing Requirements

D28.1 The operator shall conduct source test(s) in accordance with the following specifications:



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

The test shall be conducted in accordance with the approved protocol.

The test shall be conducted at least annually.

- 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 no later than 180 days after the construction is completed.

The test shall be conducted at minimum combustion temperature of 1400 degrees Fahrenheit.

The test shall be conducted to determine: 1) the VOC emission rate at the inlet and exhaust of the thermal oxidizer, 2) the VOC control efficiency of the thermal oxidizer, 3) mass emission rates of NOX, CO, and excess O2 at the exhaust of the thermal oxidizer, 4) concentrations of BETX compounds at the inlet and outlet of the thermal oxidizer, and 5) the ethanol loading rate in barrels per hour during the source test.

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

[Devices subject to this condition : C887]

- D28.4 The operator shall conduct source test(s) in accordance with the following specifications:

The test shall be conducted not later than 45 days from the date the catalytic oxidizer is in operation.

The test shall be conducted at the exhaust stack outlet of the oxidizer. the test shall determine the emissions to the atmosphere of polychlorinated dibenzo-dioxins and polychlorinated dibenzofurans and HCL.

The test shall be conducted after District approval of a source test protocol submitted in accordance with Section E- Administrative condition.



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

[RULE 1401, 3-4-2005]

[Devices subject to this condition : C919]

D28.5 The operator shall conduct source test(s) in accordance with the following specifications:

The test shall be conducted to determine the VOC emissions at the outlet.

The test shall be conducted using SCAQMD method 25.1 or SCAQMD method 25.3, as appropriate.

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

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

[Devices subject to this condition : C919]

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	District Method 25.1 or 25.3	District-approved averaging time	outlet of the bioreactor and outlet of the second carbon adsorber



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

The test shall be conducted to determine the vent gas flow rate in acfm.

The test shall be conducted in accordance with AQMD approved source test protocol. The protocol shall be submitted to the AQMD permitting engineer no later than 45 days before the proposed test date and shall be approved by the AQMD before the test commences. The protocol shall include the proposed operating conditions of the bioreactor during the tests, the identity of the testing lab, a statement from the lab certifying that it meets the criteria of R304, and a description of all sampling and analytical procedures.

The facility permit holder shall submit the protocol to the AQMD engineer no later than 45 days prior to the proposed test date, and notify the District of the date and time of the test at least 10 days prior to the test.

The test(s) shall be conducted within 10 days after achieving maximum production rate, but no later than 60 days after initial start-up.

The test shall be conducted after the biocell is established and after each time the biocell is reestablished.

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

[Devices subject to this condition : D907, D908]

D90.3 The operator shall monitor and record the VOC concentration at the inlet and the outlet of the first carbon canister according to the following specifications:

The operator shall monitor on the day of startup of the bioreactor in accordance with EPA Method 21.

The operator shall monitor once every week during the normal operation of the bioreactor in accordance with EPA Method 21.

[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 : C915]



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

D90.5 The operator shall periodically monitor the hydrocarbon concentration at the outlet of the carbon canister according to the following specifications:

The operator shall monitor once every day.

[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 : C845]

D90.6 The operator shall periodically monitor the hydrocarbon concentration at the outlet of the carbon canister according to the following specifications:

The operator shall monitor twice per week.

[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 : C846]

D90.7 The operator shall monitor the soil vapor extraction system in accordance with and according to the following specifications:

Influent and effluent concentration of volatile organic compound (VOC) concentration shall be monitored and recorded once each week using an organic vapor analyzer calibrated in accordance with EPA Method 21. All results shall be recorded in ppmv " as methane." Results from the OVA readings shall be used only as a screening tool, not as a definitive evaluation for compliance with the 25 ppmv as methane effluent limit.

Should effluent OVA readings exceed the 25 ppmv screening value, operations must be modified (within 24 hours of a screening value measurement >25 ppmv) in such a way to lower effluent VOC concentration to \leq 25 ppmv as methane.

The operator shall maintain records of all VOC measurements specified by this condition.



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[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 : C939]

D90.8 The operator shall sample and analyze the equipment at inlet and outlet of the equipment according to the following specifications:

The operator shall analyze the influent samples for total sulfur. Initial sampling shall be performed within 90 days of initial startup and once each quarter thereafter. Samples shall be analyzed in accordance with SCAQMD Method 307-91 and compared to the permitted SOx factor using the following equation. Extraction Gas SOx EF = Tested Sulfur Concentration (as CS2 ppmv) / (379.4 ft³ CS2/lbmol CS2) x (2 lbmol SOx / lbmol CS2) x (64 lbs SOx/lbmol SOx).

The operator shall maintain records of all analytical measurements as specified under this condition.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 2004, 5-11-2001; RULE 2004, 4-6-2007; RULE 2011, 5-6-2005]

[Devices subject to this condition : C939]

D94.1 The operator shall install, maintain and operate a sampling line at the inlet and the outlet of the carbon canisters to allow measurement of the Volatile organic compounds

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

[Devices subject to this condition : C915]

E. Equipment Operation/Construction Requirements

E71.7 The operator shall only use this equipment for loading ethanol product.

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



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[Devices subject to this condition : D884]

- E71.8 The operator shall only use this equipment for the storage of any of the following commodities: Alkylate, Diesel Fuel, Denatured Ethanol, Iso-Octane, Jet Fuel, and Gasoline.

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

[Devices subject to this condition : D149, D183]

- E71.10 The operator shall not operate this equipment unless the operator demonstrates to the Executive Officer that the facility holds sufficient NO_x RTCs (1734 lbs/year) to offset the annual emission 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 NO_x RTCs (1734 lbs/year).

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

[RULE 2005, 5-6-2005]

[Devices subject to this condition : C939]

- E71.11 The operator shall not operate this equipment unless the operator demonstrates to the Executive Officer that the facility holds sufficient SO_x RTCs (1,606 lbs/year) to offset the annual emission 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 SO_x RTCs (1,606 lbs/year).

[RULE 2005, 5-6-2005]

[Devices subject to this condition : C939]

- 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.



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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 : C915]

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 hydrocarbon monitor reading indicates a concentration of 500 ppmv at the outlet of last carbon canister. The 500 ppmv refers to VOCs concentration measured by EPA Method 21.

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

[Devices subject to this condition : C845, C846]

E153.3 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 either carbon canister measured as methane.

The operator shall replace the carbon as follows: the primary carbon canister shall be replaced with either a fresh carbon canister or the secondary carbon canister, and the secondary carbon canister shall be replaced with a fresh carbon.

Records of carbon replacement shall be kept and maintained for this equipment for a period of five years.

[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 : C915]

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



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

During periods of routine maintenance, the aeration blowers may remain in operation while the bioreactor covers are removed and/or the carbon adsorption unit is bypassed, as long as the groundwater feed to the bioreactors has been stopped. Maintenance actions shall not exceed 72 hours for each repair period.

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

[Devices subject to this condition : D907, D908, D909, D916]

E193.7 The operator shall operate and maintain this equipment as follows:

The operator shall submit to the AQMD in writing the results of the first 90 days of operation under this permit, including, but not limited to, source test data, monitoring data, lab analysis, flow and temperature readings, sufficient to prove compliance with each condition of this permit. Submittal shall be within 60 days of the initial source test and shall be addressed to:

SCAQMD, Refinery and Waste Management Team, Engineering and Compliance Division, 21865 Copley Drive, Diamond Bar, CA 91765.

[RULE 204, 10-8-1993]

[Devices subject to this condition : C939]

E193.8 The operator shall operate and maintain this equipment as follows:

Equipment interlocks shall be installed and operated to prevent vapor processing during periods when the minimum operating temperature of the regenerative thermal oxidizer is not met.

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

[Devices subject to this condition : C939]

E193.9 The operator shall operate and maintain this equipment as follows:



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

The exit to the exhaust stack shall have a minimum height of 30 feet measured from grade.

[RULE 1401, 3-7-2008]

[Devices subject to this condition : C939]

E193.11 The operator shall operate and maintain this equipment as follows:



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

Samples shall be collected and analyzed once during the first 90 days of operation for total volatile organic compounds and speciated for benzene, MTBE [and other toxics as required in (E)] as follows:

Samples shall be collected at the inlet and outlet of the regenerative thermal oxidizer.

B. Sampling and Analysis Shall be conducted by an independent laboratory per Rule 304.

C. Analysis for VOC shall be conducted using SCAQMD Method 25.1, 25.3 or other methods approved by SCAQMD.

D. Analysis for toxics shall be conducted using SCAQMD Method TO-15 or other methods approved by the SCAQMD.

E. The inlet sample shall also be analyzed for all volatile organic compounds that were both detected by the Phase II site assessment (soil and groundwater characterization studies) and found on the Rule 1401 compound list. If no assessments of soil or groundwater exist, the inlet sample shall be analyzed for all volatile organic compounds listed in SCAQMD Rule 1401, unless otherwise approved in writing by the SCAQMD.

F. The tests indicated above shall be conducted after SCAQMD approval of the source test protocol submitted in accordance with Section E - Administrative Conditions.

G. Follow up Source tests shall be conducted at least once every 3 years.

[**RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1401, 3-7-2008; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997**]

[Devices subject to this condition : C939]

E193.12 The operator shall operate and maintain this equipment as follows:



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

The operator shall monitor/test the equipment as follows:

The operator shall collect and analyze grab samples at the inlet and outlet of this equipment. Initial sampling shall be performed within two weeks of start up of this unit, and once each quarter thereafter. Samples shall be speciated for benzene, toluene, ethylbenzene, and xylenes in accordance with EPA Method TO-15.

[RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1401, 6-5-2009; **RULE 3004(a)(4)
-Periodic Monitoring, 12-12-1997**]

[Devices subject to this condition : C939]

E336.4 The operator shall vent the vent gases from this equipment as follows:

All vent gases shall be vented to the catalytic/thermal oxidizer C919, which shall be in full use and have a valid permit to receive vent gases from this equipment.

[**RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1401,
6-15-2001; RULE 462, 5-14-1999**]

[Devices subject to this condition : D917]

E336.5 The operator shall vent the vent gases from this equipment as follows:

All gases shall be vented to the regenerative thermal oxidizer C939, which shall be in full use and have a valid permit to receive vent gases from this equipment.

[**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 1401,
3-7-2008; RULE 462, 5-14-1999**]

[Devices subject to this condition : D940, D941]



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

E440.1 The operator shall operate and maintain this equipment according to the following specifications:

During the carbon change out operation, the spent carbon shall be dropped onto the fabric filters with the use of a chute to minimize carbon particle release

During the process of loading fresh carbon into the canister, the operator shall use a vacuum device vented to a cyclone around the canister opening to minimize carbon particle release

The operator shall limit the carbon change out operation to once per month.

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

[Devices subject to this condition : C915]

H. Applicable Rules

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

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1173

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

[Devices subject to this condition : D726, D728, D730, D732, D734, D736, D738, D740, D742, D744, D793, D816, D819, D890]

H23.11 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	40CFR60, SUBPART	Kb



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

[Devices subject to this condition : D147, D149, D171, D183, D204]

H23.13 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
HAPs	40CFR63, SUBPART	R

[40CFR 63 Subpart R, 4-6-2006]

[Devices subject to this condition : D146, D147, D149, D150, D151, D171, D175, D176, D183, D184, D190, D191, D198, D199, D200, D201, D202, D204, D750, D890]

K. Record Keeping/Reporting

K40.1 The operator shall provide to the District a source test report in accordance with the following specifications:

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

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

[Devices subject to this condition : D907, D908]

K40.2 The operator shall provide to the District a source test report in accordance with the following specifications:



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

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

The source test report shall contain the following parameter data: the concentration and emission rate in pounds per hour (lbs/hr) of polychlorinated dibenzo-dioxins and polychlorinated dibenzofurans, HCL, at the outlet of the catalytic oxidizer

[RULE 1401, 3-4-2005]

[Devices subject to this condition : C919]

K67.3 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

In addition to the records required in Rule 462, the loading throughput record shall be maintained for five years in a format approved by AQMD and shall be made available to District personnel upon request.

The records of monthly inspection, subsequent repairs and reinspections, if any, shall be maintained for five years and shall be made available to District personnel upon request.

Rule 1173 Inspection and Maintenance Program is required, and these records shall be maintained for at least two years and shall be made available to District personnel upon request.

[RULE 1173, 5-13-1994; RULE 1173, 2-6-2009; RULE 462, 5-14-1999]

[Devices subject to this condition : D884]

K67.5 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:

Throughput in barrels per month

Vapor pressure of stored liquid in psia

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

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

[Devices subject to this condition : D150, D151, D191, D198, D199, D200, D201, D204]

K67.7 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Loading rate of ethanol

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D884]

K67.8 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Tank throughput in barrels

Commodity/product stored and time period of its storage

Actual vapor pressure, in psia, of each 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, 1149, and 1178, 40CFR60, Subpart Kb, and 40CFR63, Subpart R



**FACILITY PERMIT TO OPERATE
EQUILON ENTER. LLC, SHELL OIL PROD. US**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

**[RULE 1149, 7-14-1995; RULE 1149, 5-2-2008; RULE 1178, 4-7-2006; RULE 1303(b)
(2)-Offset, 5-10-1996; RULE 463, 5-6-2005; 40CFR 60 Subpart Kb, 10-15-2003; 40CFR
63 Subpart R, 4-6-2006]**

[Devices subject to this condition : D147, D149, D183]

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



FACILITY PERMIT TO OPERATE EQUILON ENTER. LLC, SHELL OIL PROD. US

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

A. A source test protocol no later than 60 days before the proposed test date. The test shall not commence until the protocol is approved by the AQMD. The test protocol shall contain the following information:

- a) Brief description of the equipment tested.
- b) Brief process description, including maximum and normal operating temperatures, pressures, throughput, etc.
- c) Operating conditions under which the test will be performed.
- d) Method of measuring operating parameters, such as fuel rate and process weight, process schematic diagram showing the ports and sampling locations, and distances of low disturbances, (e.g., elbows, tees, fans, dampers) from the sampling locations (upstream and downstream).
- e) Brief description of sampling and analytical method used to measure each pollutant, temperature, flow rate, and moistures.
- f) Description of calibration and quality assurance procedures.
- g) Determination that the testing laboratory qualifies as an "independent testing laboratory" under Rule 304 (no conflict of interest).

B. The source test report no later than 45 days after each round of source tests is conducted. The test shall contain the following information:

- a) The results of the source test.
- b) Brief description of the equipment tested.
- c) Operating condition under which the Test was performed.
- d) Method of measuring operating parameters, such as fuel rate and process weight, process schematic diagram showing the ports and sampling locations, including the dimensions of the ducts/stacks at the sampling locations, and



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

distances of flow disturbances, (e.g., elbows, tees, fans, dampers) from the sampling locations (upstream and downstream).

e) Field and laboratory data forms, strip charts, and analyses.

f) Calculations for volumetric flow rates, emission rates, and control efficiency.

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

[Devices subject to this condition : C887]

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

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

[RULE 1178, 4-7-2006]

[Devices subject to this condition : D147, D149, D183]



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
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