

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					
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

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

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

† 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					
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				
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

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

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

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

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

† 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					
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				
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				

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

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

† 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					
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				
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				

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

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

† 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					
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				
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				

- | | |
|---|---|
| <p>* (1) 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) 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> |
|---|---|

** 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					
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				
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				

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

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

† 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					
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				
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				

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

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

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

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

† 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 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
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

- | | |
|---|--|
| <p>* (1) 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) 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> |
|---|--|

** 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, 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
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	D183				B22.5, C1.41, C6.3, E71.8, H23.11, H23.13, K67.8, K171.2

- * (1) 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) 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					
GUIDEPOLE, GASKETED COVER, WITH FLOAT, SLEEVE, WIPER, SLOTTED					
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, PAN, WELDED SHELL PRIMARY SEAL, MECHANICAL SHOE SECONDARY SEAL, WIPER TYPE	D184				B22.5, C1.37, C6:1, H23.13
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	D185				B22.6, C1.46

- | | |
|--|--|
| <ul style="list-style-type: none"> * (1) 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) 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					
SECONDARY SEAL, CATEGORY A, WIPER TYPE					
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
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	D191				C1.19, C6.3, H23.13, K67.5

- | | |
|--|--|
| <ul style="list-style-type: none"> * (1) 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) 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					
SECONDARY SEAL, RIM MOUNTED, WIPER TYPE					
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
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	D146				B22.5, C1.17, C6.3, H23.13

- | | |
|--|--|
| <ul style="list-style-type: none"> * (1) 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) 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					
PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY A, RIM MOUNTED, WIPER TYPE					
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
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	D147				B22.5, C1.17, C6.3, H23.11, H23.13, K67.8, K171.2

- | | |
|--|--|
| <ul style="list-style-type: none"> * (1) 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) 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					
PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY A, RIM MOUNTED, WIPER TYPE					
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

- | | |
|---|--|
| <p>* (1) 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) 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> |
|---|--|

** 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					
System 5 : DOMED EXTERNAL FLOATING ROOF TANKS					S13.2
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 DOME COVER, GEODESIC FLOATING ROOF, PAN, WELDED SHELL	D204				B22.5, C1.18, C6.4, H23.11, H23.13, K67.5

- | | |
|---|---|
| <p>* (1) 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) 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> |
|---|---|

** 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					
PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY A, WIPER TYPE					
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	D199				B22.5, C1.39, C6.4, H23.13, K67.5

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

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

† 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					
FLOATING ROOF, PONTOON, RIVETED SHELL PRIMARY SEAL, METALLIC SHOE SECONDARY SEAL, WIPER TYPE					
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
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	D201				B22.5, C1.39, C6.4, H23.13, K67.5

- | | |
|---|--|
| <p>* (1) 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) 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> |
|---|--|

** 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					
DOME COVER, GEODESIC					
FLOATING ROOF, PONTOON, WELDED SHELL					
PRIMARY SEAL, MECHANICAL SHOE					
SECONDARY SEAL, WIPER TYPE					
GUIDEPOLE, GASKETED SLIDING COVER, WITH WIPER, SLOTTED					
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]	
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]	

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

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

† 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 6 : GROUNDWATER TREATMENT SYSTEM					
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

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

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

† 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 6 : GROUNDWATER TREATMENT SYSTEM					
System 3 : GROUNDWATER BIOREACTOR TREATMENT SYSTEM					S13.4
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: 431329 Permit to Construct Issued: 11/24/04	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: 431329 Permit to Construct Issued: 11/24/04	D908	C915			D29.1, E193.3, K40.1
BLOWER, THREE(3), AERATION, 350 CFM, MAXIMUM 2 IN OPERATION WITH ONE SPARE, 10 HP A/N: 431329 Permit to Construct Issued: 11/24/04	D909				E193.3
CLARIFIER, FOUR(4), COVERED, WIDTH: 12 FT; LENGTH: 12 FT A/N: 431329 Permit to Construct Issued: 11/24/04	D910				
TANK, SURGE, (BIOREACTOR SURGE TANK) EFFLUENT EQUALIZING, 1400 GALS; DIAMETER: 7 FT 2 IN; HEIGHT: 6 FT 4.25 IN A/N: 431329 Permit to Construct Issued: 11/24/04	D911				

- | | |
|---|--|
| <p>* (1) 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) 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> |
|---|--|

** 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 6 : GROUNDWATER TREATMENT SYSTEM					
PUMP, BIOREACTOR FEED, 3HP A/N: 431329 Permit to Construct Issued: 11/24/04	D912				
PUMP, EFFLUENT, 15 HP A/N: 431329 Permit to Construct Issued: 11/24/04	D913				
PUMP, SLUDGE DEWATERING, 0.5 HP, 2 TOTAL A/N: 431329 Permit to Construct Issued: 11/24/04	D914				
System 4 : APC FOR GROUNDWATER BIOREACTOR TREATMENT SYSTEM					S13.4
CARBON ADSORBER, TOTAL OF TWO CONNECTED IN SERIES, VENT SCRUB, MODEL VSC-3000, 3000 LBS A/N: 434049 Permit to Construct Issued: 11/24/04	C915	D907 D908			D90.3, D94.1, E128.1, E153.3, E440.1
BLOWER, 1000 CFM, 5 HP, VENTING 2 BIOREACTORS A/N: 434049 Permit to Construct Issued: 11/24/04	D916				E193.3
Process 7 : CHEMICAL BULK LOADING					
System 11 : ETHANOL BULK LOADING RACK					S13.6, S31.1
BULK MATERIAL LOADING STATION WITH A/N: 379029 Permit to Construct Issued: 01/22/03	D884	C887		VOC: 0.08 LBS/1000 GAL (5) [RULE 462,5-14-1999]	C1.16, E71.7, K67.3, K67.7

- * (1) 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) 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 7 : CHEMICAL BULK LOADING					
LOADING ARM, BOTTOM, TANK TRUCK, ETHANOL, 6 TOTAL; DIAMETER: 4 IN VAPOR RETURN LINE, 4 TOTAL; DIAMETER: 4 IN					
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 BBL CAPACITY, HEIGHT: 35 FT; DIAMETER: 35 FT	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

- | | |
|---|---|
| <p>* (1) 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) 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> |
|---|---|

** 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 7 : CHEMICAL BULK LOADING					
BLOWER, COMBUSTION AIR, 3 H.P. BLOWER, VAPOR, 15 H.P.					
STACK, HEIGHT: 35 FT; DIAMETER: 6 FT A/N: 379030 Permit to Construct Issued: 01/22/03	S889				
Process 8 : AIR POLLUTION CONTROL SYSTEM					
System 6 : SOIL VAPOR EXTRACTION AND TREATMENT SYSTEM					
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				
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]	A229.6, B163.1, C1.40, D28.5

- | | |
|--|--|
| <ul style="list-style-type: none"> * (1) 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) 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 8 : AIR POLLUTION CONTROL SYSTEM					
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 OXIDIZER, THERMAL, NATURAL GAS, WITH AN INTEGRAL HEAT EXCHANGER, A COMBUSTION BLOWER, 125 SCFM & TEMP-CONTROL, 0.467 MMBTU/HR	C920 C921			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]	C6.7, C8.4, C409.1, D28.4, K40.2 C8.3
OXIDIZER, REGENERATIVE THERMAL OXIDIZER, WITH AN INTEGRAL HEAT EXCHANGER, NATURAL GAS, EXHAUST STACK 30 FT., NO RAIN CAP, 1.6 MMBTU/HR A/N:	C939	D940 D941	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; PM: 0.1 GRAINS/SCF (5) [RULE 404,2-7-1986;RULE 409,8-7-1981] ; SOX: 0.506 LBS/MMSCF PROCESS GAS (1)	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

- | | |
|--|---|
| <ul style="list-style-type: none"> * (1) 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) 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 8 : AIR POLLUTION CONTROL SYSTEM					
				RULE 409,8-7-1981] ; SOX: 0.83 LBS/MMSCF NATURAL GAS (1); SOX: 0.506 LBS/MMSCF PROCESS 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]	
BLOWER, EXTRACTION, 3 BLOWERS (ONE AS SPARE) RATED AT 3000 SCFM EACH A/N:	D940	C939			E336.5
VAPOR EXTRACTION WELL, MULTIPLE WELLS A/N:	D941	C939			E336.5

- | | |
|---|--|
| <ul style="list-style-type: none"> * (1) 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) 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
 EQUILON ENTER. LLC, SHELL OIL PROD. US**

SECTION H: DEVICE ID INDEX

Device Index For Section H			
Device ID	Section H Page No.	Process	System
D146	14	3	2
D147	15	3	2
D149	16	3	2
D150	9	3	2
D151	10	3	2
D171	15	3	2
D175	10	3	2
D176	11	3	2
D183	11	3	2
D184	12	3	2
D185	12	3	2
D190	13	3	2
D191	13	3	2
D198	18	3	5
D199	18	3	5
D200	19	3	5
D201	19	3	5
D202	17	3	5
D204	17	3	5
D220	20	6	2
D222	20	6	2
D351	1	2	5
D726	1	2	5
D727	1	2	5
D728	1	2	5
D729	1	2	5
D730	1	2	5
D731	2	2	5
D732	2	2	5
D733	2	2	5
D734	2	2	5
D735	2	2	5
D736	2	2	5
D737	3	2	5
D738	3	2	5
D739	3	2	5

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

SECTION H: DEVICE ID INDEX

Device Index For Section H			
Device ID	Section H Page No.	Process	System
D740	3	2	5
D741	3	2	5
D742	3	2	5
D743	4	2	5
D744	4	2	5
D745	4	2	5
D750	14	3	2
D765	4	2	5
D766	4	2	5
D767	4	2	5
D768	5	2	5
D769	5	2	5
D770	5	2	5
D771	5	2	5
D772	5	2	5
D773	5	2	5
D774	6	2	5
D775	6	2	5
D776	6	2	5
D777	6	2	5
D778	6	2	5
D779	6	2	5
D780	7	2	5
D781	7	2	5
D782	7	2	5
D783	7	2	5
D784	7	2	5
D785	7	2	5
D786	8	2	5
D787	8	2	5
D788	8	2	5
D789	8	2	5
D790	8	2	5
D791	8	2	5
D792	9	2	5
D793	9	2	5

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

SECTION H: DEVICE ID INDEX

Device Index For Section H			
Device ID	Section H Page No.	Process	System
D816	9	2	5
D819	21	6	2
D843	21	6	2
D844	21	6	2
C845	21	6	2
C846	21	6	2
D884	23	7	11
C887	24	7	11
S889	25	7	11
D890	24	7	11
D907	22	6	3
D908	22	6	3
D909	22	6	3
D910	22	6	3
D911	22	6	3
D912	23	6	3
D913	23	6	3
D914	23	6	3
C915	23	6	4
D916	23	6	4
D917	25	8	6
D918	25	8	6
C919	25	8	6
C920	26	8	6
C921	26	8	6
C939	26	8	6
D940	27	8	6
D941	27	8	6

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:

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 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:

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]

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:

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]

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:

- 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:

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.

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

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

DEVICE CONDITIONS

A. Emission Limits

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:

A63.1 The operator shall limit emissions from this equipment as follows: TABLE CONDITION PARAMETER NOT SET UP

1.75 ppmv for benzene.

[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]

A229.6 The 77PPM emission limit is measured by an OVA using EPA Method 21 calibrated as hexane. The VOC emission level shall be measured at the outlet of the vapor control system.

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

[Devices subject to this condition : C919]

B. Material/Fuel Type Limits

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:

- 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]

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:

B163.1 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 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]

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:

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.

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

[Devices subject to this condition : D884]

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:

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.

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

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

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:

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.

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

[Devices subject to this condition : D202, D204]

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:

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.

[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]

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:

C1.39 The operator shall limit the throughput to no more than 760,417 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 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]

**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:

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

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]

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:

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

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]

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:

C1.46 The operator shall limit the throughput to no more than 608,334 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 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]

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:

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

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]

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:

- 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]

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:

- 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.

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]

**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:

- 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.

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

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:

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

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.

[RULE 1401, 3-4-2005]

[Devices subject to this condition : C919]

**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:

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]

**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:

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

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 certify 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]

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:

- 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 once every day during the 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]

- 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]

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:

D90.7 The operator shall monitor the soil vapor extraction system in accordance 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 ≤ 25 ppmv as methane.

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

[**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 SO_x factor using the following equation. Extraction Gas SO_x EF = Tested Sulfur Concentration (as CS₂ ppmv) / (379. f ft³ CS₂/lbmol CS₂) x (2 lbmol CS₂ / lbmol CS₂) x (64 lbs SO_x/lbmol SO_x).

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]

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:

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]

[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 NOx RTCs (434 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 NOx RTCs (434 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 SOx 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 SOx RTCs (1,606 lbs/year).

[RULE 2005, 5-6-2005]

[Devices subject to this condition : C939]

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:

E128.1 The operator shall keep all spent carbon in a tightly covered container which shall remain closed except when it is being transferred into or out of the container.

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

[Devices subject to this condition : 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

[**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]

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:

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

During periods of exhaust blower shutdown as a result of routine maintenance, the aeration blowers may remain in operation as long as the groundwater feed to the bioreactors has been stopped. The exhaust blower shall be repaired within 72 hours 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 SCAQMD in writing the results of the grab samples within 90 days of taking the initial and each quarterly grab sample, including but not limited to, test data, monitoring data, lab analyses, flow and temperature readings, sufficient to prove compliance with each condition of this permit. Submittal 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]

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:

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

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:

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

A. 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]

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:

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]

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

**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:

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

[**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

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:

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:

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]

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:

K67.5 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

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

[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]

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:

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

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 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]

**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:

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]