



## FACILITY PERMIT TO OPERATE

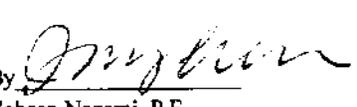
**EQUILON ENTER, LLC-SHELL OIL PROD. US  
BERTH 167-169 MORMON ISLAND  
WILMINGTON, CA 90744**

### NOTICE

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

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

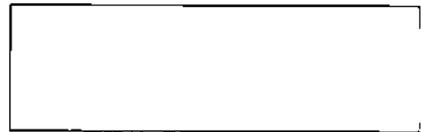
Barry R. Wallerstein, D. Env.  
EXECUTIVE OFFICER

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



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

AQMD





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

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





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

**SECTION A: FACILITY INFORMATION**

**LEGAL OWNER &/OR OPERATOR:** EQUILON ENTER, LLC-SHELL OIL PROD. US

**LEGAL OPERATOR (if different than owner):**

**EQUIPMENT LOCATION:** BERTH 167-169 MORMON ISLAND  
WILMINGTON, CA 90744

**MAILING ADDRESS:** 20945 20945 WILMINGTON 20945  
CARSON, CA 90810

**RESPONSIBLE OFFICIAL:** CLORINDA NOTHSTEIN

**TITLE:** REGIONAL MANAGER

**TELEPHONE NUMBER:** (310) 816-2009

**CONTACT PERSON:** NOEL KURAI

**TITLE:** ENVIRONMENTAL COORDINATOR

**TELEPHONE NUMBER:** (310) 816-2069

**INITIAL TITLE V PERMIT ISSUED:** April 20, 2009

**TITLE V PERMIT EXPIRATION DATE:** April 19, 2014

TITLE V	RECLAIM
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YES	NOx: NO
	SOx: NO
	CYCLE: 0
	ZONE: COASTAL



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





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

**Facility Equipment and Requirements  
(Section D)**

This section consists of a table listing all permitted equipment at the facility, facility wide requirements, all individual Permits to Operate issued to various equipment at the facility, and Rule 219-exempt equipment subject to source-specific requirements. Each permit and Rule 219-exempt equipment will list operating conditions including periodic monitoring requirements, and applicable emission limits and requirements. Also included are the rule origin and authority of each emission limit and permit condition.



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

**PERMITTED EQUIPMENT LIST**

THE FOLLOWING IS A LIST OF ALL PERMITS TO OPERATE AT THIS FACILITY:

<b>Application Number</b>	<b>Permit to Operate Number</b>	<b>Equipment Description</b>	<b>Page Number</b>
345992	F16872	STORAGE TANK NO. M26	4
345993	F16873	STORAGE TANK NO. M27	5
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**NOTE: ANY APPLICATIONS THAT ARE STILL BEING PROCESSED AND HAVE NOT BEEN ISSUED PERMITS TO CONSTRUCT OR PERMITS TO OPERATE WILL NOT BE FOUND IN THIS TITLE V PERMIT.**



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

**FACILITY WIDE CONDITION(S)**

**Condition(s):**

1. EXCEPT FOR OPEN ABRASIVE BLASTING OPERATIONS, THE OWNER 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 RINGLEMANN 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]
2. IF APPLICABLE, ACCIDENTAL RELEASE PREVENTION REQUIREMENTS OF SECTION 112(r)(7): THE OPERATOR SHALL COMPLY WITH THE ACCIDENTAL RELEASE PREVENTION REQUIREMENTS PURSUANT TO 40 CFR Part 68 AND SHALL SUBMIT TO THE EXECUTIVE OFFICER, AS PART OF ANNUAL COMPLIANCE CERTIFICATION, A STATEMENT THAT CERTIFIES COMPLIANCE WITH ALL THE REQUIREMENTS OF 40 CFR Part 68, INCLUDING THE REGISTRATION AND SUBMISSION OF A RISK MANAGEMENT PLAN (RMP). THE OPERATOR SHALL SUBMIT ANY ADDITIONAL RELEVANT INFORMATION REQUESTED BY THE EXECUTIVE OFFICER OR DESIGNATED AGENCY.  
(40 CFR Part 68-ACCIDENTAL RELEASE PREVENTION)
3. MATERIAL SAFETY DATA SHEETS FOR ALL COATINGS AND SOLVENTS USED AT THIS FACILITY SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
(RULE 109, 1303(b)(2)-OFFSET)
4. THIS FACILITY SHALL COMPLY WITH THE MINOR SOURCE REQUIREMENTS OF 40 CFR 63 SUBPART R.  
[40 CFR SUBPART R]
5. SULFUR CONTENT OF DIESEL FUEL SUPPLIED TO THE EMERGENCY ENGINES SHALL NOT EXCEED 15 PPM BY WEIGHT.  
[RULE 431.2]
6. THIS FACILITY SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF RULE 1173.  
[RULE 1173]
7. THIS FACILITY SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF 40 CFR 63 SUBPART BBBBBB.  
[40 CFR 63 SUBPART BBBBBB]
8. THIS FACILITY SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF RULE 431.2.  
[RULE 431.2]



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

**PERMIT TO OPERATE**

**Permit No. F16872  
A/N 345992**

**Equipment Description:**

STORAGE TANK NO. M26, HYDROCARBON LIQUID, WELDED SHELL, PONTOON DECK, EXTERNAL FLOATING ROOF TYPE, 100,000 BARREL CAPACITY, 122'-0" DIA. X 48'-0" H., WITH A TUBE TYPE PRIMARY SEAL AND A WIPER TYPE SECONDARY SEAL.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THIS TANK SHALL NOT BE USED FOR STORING PETROLEUM LIQUIDS HAVING VAPOR PRESSURES OF 11 PSIA OR GREATER UNDER ACTUAL STORAGE CONDITIONS.  
[RULE 463]
- 4) THROUGHPUT OF ORGANIC LIQUIDS TO THIS TANK SHALL NOT EXCEED 18,250,000 BARRELS PER YEAR.  
[RULE 1303(b)(2) OFFSETS]
- 5) IN ADDITION TO THOSE RECORDS REQUIRED BY RULE 463, THROUGHPUT RECORDS SHALL BE MAINTAINED AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 463]

**Periodic Monitoring: None**

**Emissions and Requirements:**

- 6) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
  
VOC: RULE 463  
VOC: RULE 1149  
VOC: RULE 1178



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

**PERMIT TO OPERATE**

**Permit No. F16873  
A/N 345993**

**Equipment Description:**

STORAGE TANK NO. M27, HYDROCARBON LIQUID, WELDED SHELL, PONTOON DECK, EXTERNAL FLOATING ROOF TYPE, 89,119 BARREL CAPACITY, 122'-0" DIA. X 48'-0" H., WITH A SHOE TYPE PRIMARY SEAL AND A WIPER TYPE SECONDARY SEAL.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THIS TANK SHALL NOT BE USED FOR STORING PETROLEUM LIQUIDS HAVING VAPOR PRESSURES OF 11 PSIA OR GREATER UNDER ACTUAL STORAGE CONDITIONS.  
[RULE 463]
- 4) THROUGHPUT OF ORGANIC LIQUIDS TO THIS TANK SHALL NOT EXCEED 18,250,000 BARRELS PER YEAR.  
[RULE 1303(b)(2) OFFSETS]
- 5) IN ADDITION TO THOSE RECORDS REQUIRED BY RULE 463, THROUGHPUT RECORDS SHALL BE MAINTAINED AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 463]

**Periodic Monitoring: None**

**Emissions and Requirements:**

- 6) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
  
VOC:           RULE 463  
VOC:           RULE 1149  
VOC:           RULE 1178



**FACILITY PERMIT TO OPERATE  
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**PERMIT TO OPERATE**

**Permit No. F16875  
A/N 345994**

**Equipment Description:**

STORAGE TANK NO. M17, HYDROCARBON LIQUID, RIVETED SHELL, DOUBLE DECK, EXTERNAL FLOATING ROOF TYPE, 4,455 BARREL CAPACITY, 36'-0" DIA. X 29'-5" H., WITH A SHOE TYPE PRIMARY SEAL AND A WIPER TYPE SECONDARY SEAL.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THIS TANK SHALL NOT BE USED FOR STORING PETROLEUM LIQUIDS HAVING VAPOR PRESSURES OF 11 PSIA OR GREATER UNDER ACTUAL STORAGE CONDITIONS.  
[RULE 463]
- 4) THROUGHPUT OF ORGANIC LIQUIDS TO THIS TANK SHALL NOT EXCEED 219,000 BARRELS PER YEAR.  
[RULE 1303(b)(2) OFFSETS]
- 5) IN ADDITION TO THOSE RECORDS REQUIRED BY RULE 463, THROUGHPUT RECORDS SHALL BE MAINTAINED AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 463]

**Periodic Monitoring: None**

**Emissions and Requirements:**

- 6) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC: RULE 463  
VOC: RULE 1149  
VOC: RULE 1178



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**PERMIT TO OPERATE**

**Permit No. F16877  
A/N 345996**

**Equipment Description:**

MARINE LOADING/UNLOADING FACILITIES SERVING BERTHS NOS. 167, 168 AND 169 CONSISTING OF:

MAST NO.2

1. LOADING/UNLOADING MAST WITH TWO CHUGGER HOISTS, AIR OPERATED.
2. ONE DEBALLAST RISER, 1'-0" DIA.
3. ONE DEBALLAST RISER, 0'-6" DIA.
4. FIVE LIGHT/DARK OIL RISER, EACH 1'-0" DIA.
5. ONE LUBE OIL RISER, 1'-0" DIA.
6. ONE LIGHT/DARK OIL RISER, 0'-8" DIA.

MAST NO.3

1. LOADING/UNLOADING MAST WITH TWO CHUGGER HOISTS, AIR OPERATED.
2. ONE DEBALLAST RISER, 0'-6" DIA.
3. THREE LIGHT/DARK OIL RISER, EACH 1'-0" DIA.
4. TWO LIGHT/DARK OIL RISER, EACH 0'-8" DIA.

MAST NO.5

1. LOADING/UNLOADING MAST WITH TWO (2) CHUGGER HOISTS, AIR OPERATED.
2. ONE DEBALLAST RISER, 1'-0" DIA.
3. ONE DEBALLAST RISER, 0'-6" DIA.
4. FOUR LIGHT/DARK OIL RISERS, EACH 1'-0" DIA.
5. ONE LIGHT/DARK OIL RISER, 0'-8" DIA.
6. ONE LUBE OIL RISER, 1'-0" DIA.

MAST NO.4

1. LOADING/UNLOADING MAST WITH ONE CHUGGER HOIST, AIR OPERATED.

MAST NO.6

1. LOADING/UNLOADING MAST WITH ONE CHUGGER HOIST, AIR OPERATED.

GENERAL

1. PUMP, MI-10, BLACK/JET/DIESEL OIL, CENTRIFUGAL TYPE WITH PACKED GLAND, 150-HP.
2. PUMP, MI-11, RECOVERED OIL, RECIPROCATING TYPE WITH PACKED GLAND, 7-1/2 H.P.



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3. PUMP, MI-12, LIGHT/BLACK OIL, CENTRIFUGAL TYPE WITH SINGLE MECHANICAL SEAL, 125-HP.
4. PUMP, MI-13, LIGHT/BLACK OIL, CENTRIFUGAL TYPE WITH SINGLE MECHANICAL SEAL, 400-HP.
5. PUMP, MI-15, LIGHT/BLACK OIL, CENTRIFUGAL TYPE WITH SINGLE MECHANICAL SEAL, 40-HP.
6. PUMP, MI-16, RECOVERED OIL, CENTRIFUGAL TYPE WITH SINGLE MECHANICAL SEAL, 20-HP.
7. PUMP, MI-16A, RECOVERED OIL, RECIPROCATING TYPE WITH PACKED GLAND, AIR DRIVEN (STANDBY).
8. PUMP, MI-30, LIGHT/BLACK OIL, CENTRIFUGAL TYPE WITH SINGLE MECHANICAL SEAL, 700-HP.
9. PUMP, MI-31, LIGHT/BLACK OIL, CENTRIFUGAL TYPE WITH SINGLE MECHANICAL SEAL, 150-HP.
10. PUMP, MI-32, RECOVERED OIL/BALLAST WATER, CENTRIFUGAL TYPE WITH SINGLE MECHANICAL SEAL, 20-HP.
11. PUMP, MI-37, LIGHT/BLACK OIL, CENTRIFUGAL TYPE WITH SINGLE MECHANICAL SEAL, 800-HP.
12. PUMP, MI-38, LIGHT/BLACK OIL, CENTRIFUGAL TYPE WITH SINGLE MECHANICAL SEAL, 800-HP.
13. PUMP, MI-275, LUBE OIL, CENTRIFUGAL TYPE WITH SINGLE MECHANICAL SEAL, 350-HP.
14. PUMP, MI-394, SUMP WITH PACKED GLANDS, 5-HP.
15. PUMP, MI-395, SUMP WITH PACKED GLANDS, 5-HP.
16. PUMP, MI-8445, RECOVERED OIL, DOUBLE DIAPHRAGM TYPE, AIR DRIVEN.
17. PUMP, MI-8446, RECOVERED OIL, GEAR TYPE WITH SINGLE MECHANICAL SEAL, 34 H.P.
18. PUMP, MI-8447, RECOVERED OIL/WATER, CENTRIFUGAL TYPE WITH SINGLE MECHANICAL SEAL, 7-1/2 H.P.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) ALL MARINE TANKERS ENGAGED IN A LOADING, LIGHTERING, BALLASTING, OR UNLOADING EVENT AT THIS FACILITY SHALL BE EQUIPPED WITH SEGREGATED BALLAST TANKS, WHICH ARE IN GOOD OPERATING CONDITIONS.  
[RULE 1142]
- 4) THE MARINE LOADING OF "LIGHT OIL" PRODUCTS SHALL NOT EXCEED 165,000 BARRELS PER DAY AVERAGED OVER ONE CALENDAR MONTH.  
[RULE 1303(b)(2) OFFSETS]
- 5) THE MARINE UNLOADING OF "LIGHT OIL" PRODUCTS SHALL NOT EXCEED 165,000 BARRELS PER DAY AVERAGED OVER ONE CALENDAR MONTH.  
[RULE 1303(b)(2) OFFSETS]



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- 6) THE MARINE LOADING OF "DARK OIL" PRODUCTS SHALL NOT EXCEED 77,000 BARRELS PER DAY AVERAGED OVER ONE CALENDAR MONTH.  
[RULE 1303(b)(2) OFFSETS]
- 7) THE MARINE UNLOADING OF "DARK OIL" PRODUCTS SHALL NOT EXCEED 77,000 BARRELS PER DAY AVERAGED OVER ONE CALENDAR MONTH.  
[RULE 1303(b)(2) OFFSETS]
- 8) "LIGHT OIL" SHALL BE DEFINED AS LIQUIDS HAVING VAPOR PRESSURES GREATER THAN 0.1 PSIA AT ACTUAL OPERATING CONDITIONS.  
[RULE 1303(b)(2) OFFSETS]
- 9) "DARK OIL" SHALL BE DEFINED AS LIQUIDS HAVING VAPOR PRESSURES LESS THAN OR EQUAL TO 0.1 PSIA AT ACTUAL OPERATING CONDITIONS.  
[RULE 1303(b)(2) OFFSETS]
- 10) RECORDS OF LOADING VOLUME AND UNLOADING VOLUME OF LIQUIDS SHALL BE MAINTAINED AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 204]

**Periodic Monitoring: None**

**Emissions and Requirements:**

- 11) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC: 2 LBS/1000 BBLS ORGANIC LIQUID, RULE 1142



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**PERMIT TO OPERATE**

**Permit No. F16880  
A/N 346001**

**Equipment Description:**

STORAGE TANK NO. M25, HYDROCARBON LIQUID, WELDED SHELL, PONTOON DECK, EXTERNAL FLOATING ROOF TYPE, 29,037 BARREL CAPACITY, 70'-0" DIA. X 48'-0" H., WITH A SHOE TYPE PRIMARY SEAL AND A WIPER TYPE SECONDARY SEAL.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THIS TANK SHALL NOT BE USED FOR STORING PETROLEUM LIQUIDS HAVING VAPOR PRESSURES OF 11 PSIA OR GREATER UNDER ACTUAL STORAGE CONDITIONS.  
[RULE 463]
- 4) THROUGHPUT OF ORGANIC LIQUIDS TO THIS TANK SHALL NOT EXCEED 803,000 BBLs/YEAR.  
[RULE 1303(b)(2) OFFSETS]
- 5) IN ADDITION TO THOSE RECORDS REQUIRED BY RULE 463, THROUGHPUT RECORDS SHALL BE MAINTAINED AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 463]

**Periodic Monitoring: None**

**Emissions and Requirements:**

- 6) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
  
VOC: RULE 463  
VOC: RULE 1149  
VOC: RULE 1178

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**FACILITY PERMIT TO OPERATE  
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**PERMIT TO OPERATE**

**Permit No. F16904  
A/N 346002**

**Equipment Description:**

STORAGE TANK NO. AG-13, 13'-0" LONG X 6'- 3 1/2" DIA., 3000-GALLON CAPACITY WITH INJECTION PUMP.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THIS TANK SHALL BE USED ONLY FOR STORING RUST INHIBITOR.  
[RULE 204]

**Periodic Monitoring: None**

**Emissions and Requirements: None**



**FACILITY PERMIT TO OPERATE  
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**Permit No. F17977  
A/N 346003**

**Equipment Description:**

STORAGE TANK NO. M5, HYDROCARBON LIQUID, RIVETED/WELDED SHELL, DOUBLE DECK, EXTERNAL FLOATING ROOF TYPE, 7,303 BARREL CAPACITY, 50'-0" DIA. X 28'-5" H., WITH A SHOE TYPE PRIMARY SEAL AND A WIPER TYPE SECONDARY SEAL.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THIS TANK SHALL NOT BE USED FOR STORING PETROLEUM LIQUIDS HAVING VAPOR PRESSURES OF 11 PSIA OR GREATER UNDER ACTUAL STORAGE CONDITIONS.  
[RULE 463]
- 4) THROUGHPUT OF ORGANIC LIQUIDS TO THIS TANK SHALL NOT EXCEED 219,000 BARRELS PER YEAR.  
[RULE 1303(b)(2) OFFSETS]
- 5) IN ADDITION TO THOSE RECORDS REQUIRED BY RULE 463, THROUGHPUT RECORDS SHALL BE MAINTAINED AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 463]

**Periodic Monitoring: None**

**Emissions and Requirements:**

- 6) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
  
VOC: RULE 463  
VOC: RULE 1149  
VOC: RULE 1178



**FACILITY PERMIT TO OPERATE  
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**PERMIT TO OPERATE**

**Permit No. F16807  
A/N 346005**

**Equipment Description:**

STORAGE TANK NO. M1, HYDROCARBON LIQUID, FIXED ROOF TYPE, 78,353 BARREL CAPACITY, 140'-0"  
DIA. X 29'-8" H.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THIS TANK SHALL NOT BE USED FOR STORING PETROLEUM LIQUIDS HAVING VAPOR PRESSURES OF 0.1 PSIA OR GREATER UNDER ACTUAL STORAGE CONDITIONS.  
[RULE 1303(b)(2) OFFSETS]
- 4) THROUGHPUT OF ORGANIC LIQUIDS TO THIS TANK SHALL NOT EXCEED 14,600,000 BARRELS PER YEAR.  
[RULE 1303(b)(2) OFFSETS]
- 5) MONTHLY RECORDS SHALL BE KEPT FOR TYPE OF MATERIAL STORED, TRUE VAPOR PRESSURE, AND THROUGHPUT. RECORDS SHALL BE MAINTAINED AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 204]

**Periodic Monitoring: None**

**Emissions and Requirements: None**



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

**PERMIT TO OPERATE**

**Permit No. F16805  
A/N 346006**

**Equipment Description:**

STORAGE TANK NO. M2, HYDROCARBON LIQUID, FIXED ROOF TYPE, 78,353 BARREL CAPACITY, 140'-0"  
DIA. X 29'-8" H.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THIS TANK SHALL NOT BE USED FOR STORING PETROLEUM LIQUIDS HAVING VAPOR PRESSURES OF 0.1 PSIA OR GREATER UNDER ACTUAL STORAGE CONDITIONS.  
[RULE 1303(b)(2) OFFSETS]
- 4) THROUGHPUT OF ORGANIC LIQUIDS TO THIS TANK SHALL NOT EXCEED 14,600,000 BARRELS PER YEAR.  
[RULE 1303(b)(2) OFFSETS]
- 5) MONTHLY RECORDS SHALL BE KEPT FOR TYPE OF MATERIAL STORED, TRUE VAPOR PRESSURE, AND THROUGHPUT. RECORDS SHALL BE MAINTAINED AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 204]

**Periodic Monitoring: None**

**Emissions and Requirements: None**



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

**PERMIT TO OPERATE**

**Permit No. F16806  
A/N 346007**

**Equipment Description:**

INTERNAL COMBUSTION ENGINE, EMERGENCY, DETROIT DIESEL CORPORATION, DIESEL FUELED,  
MODEL NO. DDFP-06FA, 6 CYLINDERS, TWO CYCLE, TURBOCHARGED AND AFTERCOOLED, 368 BHP.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) A TIMER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1304(a)(4) MODELING AND OFFSET EXEMPTION]
- 4) THE OPERATING TIME OF THIS ENGINE SHALL NOT EXCEED 199 HOURS IN ANY ONE YEAR.  
[RULE 1304(a)(4) MODELING AND OFFSET EXEMPTION]
- 5) AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 1304(a)(4) MODELING AND OFFSET EXEMPTION]

**Periodic Monitoring: None**

**Emissions and Requirements:**

- 6) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS  
PM: RULE 1470  
SOX: RULE 431.2, 15 PPMW



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

**PERMIT TO OPERATE**

**Permit No. F16804  
A/N 346008**

**Equipment Description:**

INTERNAL COMBUSTION ENGINE, EMERGENCY, DETROIT DIESEL CORPORATION, DIESEL FUELED, MODEL NO. DDFP-06FA, 6 CYLINDERS, TWO CYCLE, TURBOCHARGED AND AFTERCOOLED, 368 BHP.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) A TIMER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1304(a)(4) MODELING AND OFFSET EXEMPTION]
- 4) THE OPERATING TIME OF THIS ENGINE SHALL NOT EXCEED 199 HOURS IN ANY ONE YEAR.  
[RULE 1304(a)(4) MODELING AND OFFSET EXEMPTION]
- 5) AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 1304(a)(4) MODELING AND OFFSET EXEMPTION]

**Periodic Monitoring: None**

**Emissions and Requirements:**

- 6) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
  
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS  
PM: RULE 1470  
SOX: RULE 431.2, 15 PPMW



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

**PERMIT TO OPERATE**

Permit No. F16849  
A/N 346009

**Equipment Description:**

STORAGE TANK NO. M-6, HYDROCARBON LIQUID, RIVETED SHELL, PONTOON EXTERNAL FLOATING ROOF, 10,000 BARREL CAPACITY, 50'-0" DIA. X 28'-0" H., WITH A SHOE TYPE PRIMARY SEAL AND A WIPER TYPE SECONDARY SEAL, MANUFACTURED BY MATRIX INC., DWG NO. WC-FASR-IH, APPROVED BY THE DISTRICT.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THIS TANK SHALL NOT BE USED FOR STORING PETROLEUM LIQUIDS HAVING VAPOR PRESSURES OF 26 MM HG (0.5 PSIA) OR GREATER UNDER ACTUAL STORAGE CONDITIONS.  
[RULE 204]
- 4) GAPS BETWEEN THE SECONDARY SEAL AND THE RIVETED SHELL SHALL NOT EXCEED 1/2" WIDTH, EXCEPT FOR GAPS CAUSED EXCLUSIVELY BY THE VERTICAL LAP JOINTS/BUTT STRAPS WHICH ARE 1/2" THICK OR GREATER. IN CASES WHERE THE VERTICAL LAP JOINTS/BUTT STRAPS ARE MORE THAN 1/2" THICK, THE ALLOWABLE GAP WIDTH SHALL BE NOT GREATER THAN 1/8 MORE THAN THE THICKNESS OF THE BUTT STRAP, AND THE GAP LENGTH (IN EXCESS OF 1/2" WIDE) NO LONGER THAN 1.75 TIMES THE THICKNESS OF THE LAP JOINT/BUTT STRAP.  
[RULE 204]
- 5) GAUGE HATCHES SHALL BE KEPT CLOSED EXCEPT DURING ACTUAL GAUGING OPERATIONS.  
[RULE 204]

**Periodic Monitoring: None**

**Emissions and Requirements:**

- 6) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
  
VOC: RULE 1149  
VOC: RULE 1178



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

**PERMIT TO OPERATE**

**Permit No. F16881  
A/N 346018**

**Equipment Description:**

**EMERGENCY YARD DRAINAGE RAIN WATER CATCH BASIN**

1. API SEPARATOR BOX, 21'-0" W. X 100'-0" L. X 4'-0" DEEP, OPEN TO ATMOSPHERE.
2. SLOP OIL PUMP, PNEUMATIC.
3. INFLUENT PUMP, WITH A 20 HP MOTOR.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THE API SEPARATOR SHALL BE USED TO HANDLE STORM WATER ONLY.  
[RULE 204]

**Periodic Monitoring: None**

**Emissions and Requirements: None**



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

**PERMIT TO OPERATE**

**Permit No. F66165  
A/N 418361**

**Equipment Description:**

TANK NO. M-10A, DOMED EXTERNAL FLOATING ROOF, CAPACITY 75,178 BARRELS, 117'-0" DIA X 42'-0" H. WELDED, DOUBLE DECK, WITH MECHANICAL SHOE PRIMARY SEAL AND RIM-MOUNTED WIPER SECONDARY SEAL.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THIS TANK SHALL ONLY BE USED TO STORE PETROLEUM LIQUIDS HAVING A TRUE VAPOR PRESSURE OF LESS THAN 11 PSIA UNDER ACTUAL OPERATING CONDITIONS.  
[RULE 463]
- 4) PETROLEUM LIQUIDS SHALL BE DEFINED AS GASOLINE, ETHANOL, JET FUEL, DIESEL ALKYLATE.  
[RULE 204]
- 5) THE OPERATOR SHALL LIMIT THE THROUGHPUT FROM THIS TANK TO NO MORE THAN 1,520,834 BARRELS 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 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.



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

THE OPERATOR SHALL KEEP MONTHLY RECORDS OF THE THROUGHPUT AND THE VAPOR PRESSURE FOR EACH TYPE OF STORED PRODUCT.  
[RULE 463, RULE 1303(b)(2) OFFSETS]

- 6) IN CASE OF FAILURE OF 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 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) OFFSETS]

**Periodic Monitoring: None**

**Emissions and Requirements:**

- 7) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
- |      |           |
|------|-----------|
| VOC: | RULE 463  |
| VOC: | RULE 1149 |
| VOC: | RULE 1178 |



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

**PERMIT TO OPERATE**

Permit No. F66166  
A/N 418362

**Equipment Description:**

TANK NO. M-24, DOMED EXTERNAL FLOATING ROOF, CAPACITY 69,130 BARRELS, 120'-0" DIA X 40'-0" H, WELDED, PONTOON DECK, WITH MECHANICAL SHOE PRIMARY SEAL AND RIM-MOUNTED WIPER SECONDARY SEAL.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THIS TANK SHALL ONLY BE USED TO STORE PETROLEUM LIQUIDS HAVING A TRUE VAPOR PRESSURE OF LESS THAN 11 PSIA UNDER ACTUAL OPERATING CONDITIONS.  
[RULE 463]
- 4) PETROLEUM LIQUIDS SHALL BE DEFINED AS GASOLINE, ETHANOL, JET FUEL, DIESEL ALKYLATE.  
[RULE 204]
- 5) THE OPERATOR SHALL LIMIT THE THROUGHPUT FROM THIS TANK TO NO MORE THAN 1,520,834 BARRELS 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 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.



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

THE OPERATOR SHALL KEEP MONTHLY RECORDS OF THE THROUGHPUT AND THE VAPOR PRESSURE FOR EACH TYPE OF STORED PRODUCT.

[RULE 463, RULE 1303(b)(2) OFFSETS]

- 6) IN CASE OF FAILURE OF 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 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) OFFSETS]

**Periodic Monitoring: None**

**Emissions and Requirements:**

- 7) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC: RULE 463  
VOC: RULE 1149  
VOC: RULE 1178



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

**PERMIT TO OPERATE**

**Permit No. G7606  
A/N 479011**

**Equipment Description:**

STORAGE TANK NO. M28, HYDROCARBON LIQUID, FIXED ROOF TYPE, 9,593 BARREL CAPACITY, 38'-5" DIA. X 48'-0" H.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THIS TANK SHALL NOT BE USED FOR STORING PETROLEUM LIQUIDS HAVING VAPOR PRESSURES GREATER THAN 0.022 PSIA UNDER ACTUAL STORAGE CONDITIONS.  
[RULE 1303(a)(1)-BACT, RULE 1303(b)(2) - OFFSET]
- 4) THROUGHPUT OF ORGANIC LIQUIDS TO THIS TANK SHALL NOT EXCEED 240,341 GALLONS IN ANY ONE CALENDAR MONTH.  
[RULE 1303(a)(1)-BACT, RULE 1303(b)(2) - OFFSET]
- 5) MONTHLY RECORDS SHALL BE KEPT FOR TYPE OF MATERIAL STORED, TRUE VAPOR PRESSURE, AND THROUGHPUT. RECORDS SHALL BE MAINTAINED AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 204]

**Periodic Monitoring: None**

**Emissions and Requirements:**

- 6) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC: RULE 463



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

**RULE 219 EQUIPMENT**

**Equipment Description:**

RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS.

**Conditions:**

1. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):

FOR ARCHITECTURAL APPLICATIONS WHERE NO THINNERS, REDUCERS, OR OTHER VOC CONTAINING MATERIALS ARE ADDED, MAINTAIN SEMI-ANNUAL RECORDS OF ALL COATINGS CONSISTING OF (a) COATING TYPE, (b) VOC CONTENT AS SUPPLIED IN GRAMS PER LITER (g/l) OF MATERIALS FOR LOW-SOLIDS COATINGS, (c) VOC CONTENT AS SUPPLIED IN g/l OF COATING, LESS WATER AND EXEMPT SOLVENT, FOR OTHER COATING.

FOR OTHER ARCHITECTURAL APPLICATIONS WHERE THINNERS, REDUCERS, OR OTHER VOC CONTAINING MATERIALS ARE ADDED, MAINTAIN DAILY RECORDS FOR EACH COATING CONSISTING OF (a) COATING TYPE, (b) VOC CONTENT AS APPLIED IN GRAMS PER LITER (g/l) OF MATERIALS USED FOR LOW-SOLIDS COATINGS, (c) VOC CONTENT AS APPLIED IN g/l OF COATING, LESS WATER AND EXEMPT SOLVENT, FOR OTHER COATING.  
[RULE 1113, RULE 109]

- 2) PAINTING OF TANKS SHALL COMPLY WITH RULE 1113.  
[RULE 1113]
- 3) MATERIAL SAFETY DATA SHEETS FOR ALL COATINGS AND SOLVENTS USED AT THIS FACILITY SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 109]

**Periodic Monitoring: None**

**Emissions and Requirements:**

- 4) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATION:

VOC: RULE 1113, SEE APPENDIX B FOR EMISSION LIMITS  
VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS



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

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**RULE 219 EQUIPMENT**

**Equipment Description:**

RULE 219 EXEMPT EQUIPMENT, HAND WIPING OPERATIONS.

**Emissions and Requirements:**

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATION:

VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS



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

**RULE 219 EQUIPMENT**

**Equipment Description:**

RULE 219 EXEMPT EQUIPMENT, AIR CONDITIONING UNITS

**Emissions And Requirements:**

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
REFRIGERANT: RULE 1415  
REFRIGERANT: 40CFR 82 SUBART F



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

**RULE 219 EQUIPMENT**

**Equipment Description:**

RULE 219 EXEMPT EQUIPMENT, ABRASIVE BLASTING EQUIPMENT, WET, AND ANY CONTROL EQUIPMENT.

**Periodic Monitoring:**

1. THE OPERATOR SHALL CONDUCT AN INSPECTION FOR VISIBLE EMISSIONS FROM ALL STACKS AND OTHER EMISSION POINTS OF THIS EQUIPMENT WHENEVER THERE IS A PUBLIC COMPLAINT OF VISIBLE EMISSIONS, WHENEVER VISIBLE EMISSIONS ARE OBSERVED, AND ON AN ANNUAL BASIS, AT LEAST, UNLESS THE EQUIPMENT DID NOT OPERATE DURING THE ENTIRE ANNUAL PERIOD. THE ROUTINE ANNUAL INSPECTION SHALL BE CONDUCTED WHILE THE EQUIPMENT IS IN OPERATION AND DURING DAYLIGHT HOURS. IF ANY VISIBLE EMISSIONS (NOT INCLUDING CONDENSED WATER VAPOR) ARE DETECTED THAT LAST MORE THAN THREE MINUTES IN ANY ONE-HOUR, THE OPERATOR SHALL EITHER:
  - A. VERIFY AND CERTIFY WITHIN 24 HOURS THAT THE EQUIPMENT CAUSING THE EMISSION AND ANY ASSOCIATED AIR POLLUTION CONTROL EQUIPMENT ARE OPERATING NORMALLY ACCORDING TO THEIR DESIGN AND STANDARD PROCEDURES AND UNDER THE SAME CONDITIONS UNDER WHICH COMPLIANCE WAS ACHIEVED IN THE PAST;
  - B. TAKE CORRECTIVE ACTION(S) THAT ELIMINATES THE VISIBLE EMISSIONS WITHIN 24 HOURS AND REPORT THE VISIBLE EMISSIONS AS A POTENTIAL DEVIATION IN ACCORDANCE WITH THE REPORTING REQUIREMENTS IN SECTION K OF THIS PERMIT; OR
  - C. HAVE A CARB-CERTIFIED SMOKE READER DETERMINE COMPLIANCE WITH THE OPACITY STANDARD, USING EPA METHOD 9 OR THE PROCEDURES IN THE CARB MANUAL "VISIBLE EMISSION EVALUATION," WITHIN THREE BUSINESS DAYS AND REPORT ANY DEVIATIONS TO AQMD.

THE OPERATOR SHALL KEEP THE RECORDS IN ACCORDANCE WITH THE RECORDKEEPING REQUIREMENTS IN SECTION K OF THIS PERMIT AND THE FOLLOWING RECORDS:

- A. STACK OR EMISSION POINT IDENTIFICATION;
- B. DESCRIPTION OF ANY CORRECTIVE ACTIONS TAKEN TO ABATE VISIBLE EMISSIONS;
- C. DATE AND TIME VISIBLE EMISSION WAS ABATED; AND
- D. VISIBLE EMISSION OBSERVATION RECORDED BY A CERTIFIED SMOKE READER.  
[RULE 3004 (a)(4)]

**Emissions And Requirements:**

2. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:



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

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PM: RULE 405, SEE APPENDIX B FOR EMISSION LIMITS  
PM: RULE 1140, SEE APPENDIX B FOR EMISSION LIMITS



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

**RULE 219 EQUIPMENT**

**Equipment Description:**

RULE 219 EXEMPT EQUIPMENT, ABRASIVE BLASTING EQUIPMENT, GLOVE-BOX, < 53 FT3, WITH DUST FILTER.

**Periodic Monitoring:**

1. THE OPERATOR SHALL PERFORM AN ANNUAL INSPECTION OF THE EQUIPMENT AND FILTER MEDIA FOR LEAKS, BROKEN OR TORN FILTER MEDIA AND IMPROPERLY INSTALLED FILTER MEDIA. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):
  - A. THE NAME OF THE PERSON PERFORMING THE INSPECTION AND/OR MAINTENANCE OF THE FILTER MEDIA;
  - B. THE DATE, TIME AND RESULTS OF THE INSPECTION; AND
  - C. THE DATE, TIME AND DESCRIPTION OF ANY MAINTENANCE OR REPAIRS RESULTING FROM THE INSPECTION.[RULE 3004 (a)(4)]
2. THE OPERATOR SHALL DISCHARGE DUST COLLECTED IN THIS EQUIPMENT ONLY INTO CLOSED CONTAINERS.  
[RULE 3004 (a)(4)]
3. THE OPERATOR SHALL CONDUCT AN INSPECTION FOR VISIBLE EMISSIONS FROM ALL STACKS AND OTHER EMISSION POINTS OF THIS EQUIPMENT WHENEVER THERE IS A PUBLIC COMPLAINT OF VISIBLE EMISSIONS, WHENEVER VISIBLE EMISSIONS ARE OBSERVED, AND ON AN ANNUAL BASIS, AT LEAST, UNLESS THE EQUIPMENT DID NOT OPERATE DURING THE ENTIRE ANNUAL PERIOD. THE ROUTINE ANNUAL INSPECTION SHALL BE CONDUCTED WHILE THE EQUIPMENT IS IN OPERATION AND DURING DAYLIGHT HOURS. IF ANY VISIBLE EMISSIONS (NOT INCLUDING CONDENSED WATER VAPOR) ARE DETECTED, THE OPERATOR SHALL TAKE CORRECTIVE ACTION(S) THAT ELIMINATES THE VISIBLE EMISSIONS WITHIN 24 HOURS AND REPORT THE VISIBLE EMISSIONS AS A POTENTIAL DEVIATION IN ACCORDANCE WITH THE REPORTING REQUIREMENTS IN SECTION K OF THIS PERMIT.  
THE OPERATOR SHALL KEEP THE RECORDS IN ACCORDANCE WITH THE RECORDKEEPING REQUIREMENTS IN SECTION K OF THIS PERMIT AND THE FOLLOWING RECORDS:
  - A. STACK OR EMISSION POINT IDENTIFICATION;
  - B. DESCRIPTION OF ANY CORRECTIVE ACTIONS TAKEN TO ABATE VISIBLE EMISSIONS; AND
  - C. DATE AND TIME VISIBLE EMISSION WAS ABATED.[RULE 3004 (a)(4)]

**Emissions And Requirements:**



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

4. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
- PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS
  - PM: RULE 405, SEE APPENDIX B FOR EMISSION LIMITS
  - PM: RULE 1140, SEE APPENDIX B FOR EMISSION LIMITS



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

**RULE 219 EQUIPMENT**

**Equipment Description:**

RULE 219 EXEMPT EQUIPMENT, ABRASIVE BLASTING EQUIPMENT, SHOT BLAST, RUBBER/PLASTIC REMOVAL, AND ANY CONTROL EQUIPMENT.

**Periodic Monitoring:**

1. THE OPERATOR SHALL PERFORM AN ANNUAL INSPECTION OF THE EQUIPMENT AND FILTER MEDIA FOR LEAKS, BROKEN OR TORN FILTER MEDIA AND IMPROPERLY INSTALLED FILTER MEDIA. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):
  - A. THE NAME OF THE PERSON PERFORMING THE INSPECTION AND/OR MAINTENANCE OF THE FILTER MEDIA;
  - B. THE DATE, TIME AND RESULTS OF THE INSPECTION; AND
  - C. THE DATE, TIME AND DESCRIPTION OF ANY MAINTENANCE OR REPAIRS RESULTING FROM THE INSPECTION.  
[RULE 3004 (a)(4)]
  
2. THE OPERATOR SHALL DISCHARGE DUST COLLECTED IN THIS EQUIPMENT ONLY INTO CLOSED CONTAINERS.  
[RULE 3004 (a)(4)]
  
3. THE OPERATOR SHALL CONDUCT AN INSPECTION FOR VISIBLE EMISSIONS FROM ALL STACKS AND OTHER EMISSION POINTS OF THIS EQUIPMENT WHENEVER THERE IS A PUBLIC COMPLAINT OF VISIBLE EMISSIONS, WHENEVER VISIBLE EMISSIONS ARE OBSERVED, AND ON AN ANNUAL BASIS, AT LEAST, UNLESS THE EQUIPMENT DID NOT OPERATE DURING THE ENTIRE ANNUAL PERIOD. THE ROUTINE ANNUAL INSPECTION SHALL BE CONDUCTED WHILE THE EQUIPMENT IS IN OPERATION AND DURING DAYLIGHT HOURS. IF ANY VISIBLE EMISSIONS (NOT INCLUDING CONDENSED WATER VAPOR) ARE DETECTED, THE OPERATOR SHALL TAKE CORRECTIVE ACTION(S) THAT ELIMINATES THE VISIBLE EMISSIONS WITHIN 24 HOURS AND REPORT THE VISIBLE EMISSIONS AS A POTENTIAL DEVIATION IN ACCORDANCE WITH THE REPORTING REQUIREMENTS IN SECTION K OF THIS PERMIT.  
THE OPERATOR SHALL KEEP THE RECORDS IN ACCORDANCE WITH THE RECORDKEEPING REQUIREMENTS IN SECTION K OF THIS PERMIT AND THE FOLLOWING RECORDS:
  - A. STACK OR EMISSION POINT IDENTIFICATION;
  - B. DESCRIPTION OF ANY CORRECTIVE ACTIONS TAKEN TO ABATE VISIBLE EMISSIONS; AND
  - C. DATE AND TIME VISIBLE EMISSION WAS ABATED.  
[RULE 3004 (a)(4)]

**Emissions And Requirements:**



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

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4. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS  
PM: RULE 405, SEE APPENDIX B FOR EMISSION LIMITS  
PM: RULE 1140, SEE APPENDIX B FOR EMISSION LIMITS



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

**RULE 219 EQUIPMENT**

**Equipment Description:**

RULE 219 EXEMPT EQUIPMENT, ABRASIVE BLASTING EQUIPMENT, PORTABLE, > 66% VOLUME WATER.

**Periodic Monitoring:**

- I. THE OPERATOR SHALL CONDUCT AN INSPECTION FOR VISIBLE EMISSIONS FROM ALL STACKS AND OTHER EMISSION POINTS OF THIS EQUIPMENT WHENEVER THERE IS A PUBLIC COMPLAINT OF VISIBLE EMISSIONS, WHENEVER VISIBLE EMISSIONS ARE OBSERVED, AND ON AN ANNUAL BASIS, AT LEAST, UNLESS THE EQUIPMENT DID NOT OPERATE DURING THE ENTIRE ANNUAL PERIOD. THE ROUTINE ANNUAL INSPECTION SHALL BE CONDUCTED WHILE THE EQUIPMENT IS IN OPERATION AND DURING DAYLIGHT HOURS. IF ANY VISIBLE EMISSIONS (NOT INCLUDING CONDENSED WATER VAPOR) ARE DETECTED THAT LAST MORE THAN THREE MINUTES IN ANY ONE-HOUR, THE OPERATOR SHALL EITHER:
  - A. VERIFY AND CERTIFY WITHIN 24 HOURS THAT THE EQUIPMENT CAUSING THE EMISSION AND ANY ASSOCIATED AIR POLLUTION CONTROL EQUIPMENT ARE OPERATING NORMALLY ACCORDING TO THEIR DESIGN AND STANDARD PROCEDURES AND UNDER THE SAME CONDITIONS UNDER WHICH COMPLIANCE WAS ACHIEVED IN THE PAST;
  - B. TAKE CORRECTIVE ACTION(S) THAT ELIMINATES THE VISIBLE EMISSIONS WITHIN 24 HOURS AND REPORT THE VISIBLE EMISSIONS AS A POTENTIAL DEVIATION IN ACCORDANCE WITH THE REPORTING REQUIREMENTS IN SECTION K OF THIS PERMIT; OR
  - C. HAVE A CARB-CERTIFIED SMOKE READER DETERMINE COMPLIANCE WITH THE OPACITY STANDARD, USING EPA METHOD 9 OR THE PROCEDURES IN THE CARB MANUAL "VISIBLE EMISSION EVALUATION," WITHIN THREE BUSINESS DAYS AND REPORT ANY DEVIATIONS TO AQMD.

THE OPERATOR SHALL KEEP THE RECORDS IN ACCORDANCE WITH THE RECORDKEEPING REQUIREMENTS IN SECTION K OF THIS PERMIT AND THE FOLLOWING RECORDS:

- A. STACK OR EMISSION POINT IDENTIFICATION;
- B. DESCRIPTION OF ANY CORRECTIVE ACTIONS TAKEN TO ABATE VISIBLE EMISSIONS;
- C. DATE AND TIME VISIBLE EMISSION WAS ABATED; AND
- D. VISIBLE EMISSION OBSERVATION RECORDED BY A CERTIFIED SMOKE READER.  
[RULE 3004 (a)(4)]

**Emissions And Requirements:**

2. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:



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**FACILITY PERMIT TO OPERATE**  
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PM: RULE 405, SEE APPENDIX B FOR EMISSION LIMITS  
PM: RULE 1140, SEE APPENDIX B FOR EMISSION LIMITS



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

**RULE 219 EQUIPMENT**

**Equipment Description:**

RULE 219 EXEMPT EQUIPMENT, CLEANING EQUIPMENT, SMALL UNHEATED, NON-CONVEYORIZED

**Emissions And Requirements:**

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
VOC: RULE 1122  
VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS



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EQUILON ENTERPRISES, LLC SHELL OIL PROD. US**

**RULE 219 EQUIPMENT**

**Equipment Description:**

RULE 219 EXEMPT EQUIPMENT, HAND APPLICATION OF COATINGS, ADHESIVES, AND RESINS, LOW USE OR EMISSIONS

**Emissions And Requirements:**

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS  
VOC: RULE 109



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

**RULE 219 EQUIPMENT**

**Equipment Description:**

RULE 219 EXEMPT EQUIPMENT, FIRE EXTINGUISHING EQUIPMENT

**Emissions And Requirements:**

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

HALON:           RULE 1418



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

**RULE 219 EQUIPMENT**

**Equipment Description**

RULE 219 EXEMPT EQUIPMENT, VALVES, FITTINGS, PUMPS, COMPRESSORS, PRESSURE RELIEF DEVICES, DIAPHRAGMS, HATCHES, SIGHT-GLASSES, AND METERS, FUGITIVE EMISSIONS.

**Emissions And Requirements:**

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC: RULE 1173



**FACILITY PERMIT TO OPERATE  
EQUILON ENTERPRISES, LLC SHELL OIL PRODUCTS, US**

**Facility Equipment and Requirements  
(Section H)**

This section consists of a table listing all individual Permits to Construct issued to various equipment at the facility. Each permit will list operating conditions, including periodic monitoring requirements and applicable emission limits and requirements. Also included are the rule origin and authority of each emission limit and permit condition.



**FACILITY PERMIT TO OPERATE  
EQUILON ENTERPRISES, LLC SHELL OIL PRODUCTS, US**

**PERMITTED EQUIPMENT LIST**

THE FOLLOWING IS A LIST OF ALL PERMITS TO CONSTRUCT AT THIS FACILITY:

<b>Application Number</b>	<b>Equipment Description</b>	<b>Page Number</b>
415862	STORAGE TANK NO. M-25	3
427856	STORAGE TANK NO. M-17	5
427857	STORAGE TANK NO. M-5	7
456579	STORAGE TANK NO. M-26	9
456580	STORAGE TANK NO. M-27	11
479015	MARINE BULK LOADING/UNLOADING	13

**NOTE:** EQUIPMENT LISTED ABOVE ARE ISSUED PERMITS TO CONSTRUCT. THE ISSUANCE OR DENIAL OF THEIR PERMITS TO OPERATE IS SUBJECT TO ENGINEERING FINAL REVIEW. ANY OTHER APPLICATIONS THAT ARE STILL BEING PROCESSED AND HAVE NOT BEEN ISSUED PERMITS TO CONSTRUCT WILL NOT BE FOUND IN THIS TITLE V PERMIT.



**FACILITY PERMIT TO OPERATE  
EQUILON ENTERPRISES, LLC SHELL OIL PRODUCTS, US**

**PERMIT TO CONSTRUCT**

A/N 415862  
Granted 2/11/2004

**Equipment Description:**

STORAGE TANK NO. M-25, GASOLINE, WELDED SHELL, PONTOON DECK, DOMED EXTERNAL FLOATING ROOF TYPE, 29,037 BARREL CAPACITY, 70'-0" DIA. X 48'-0" H., WITH A SHOE TYPE PRIMARY SEAL AND A WIPER TYPE SECONDARY SEAL.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THIS TANK SHALL NOT BE USED FOR STORING PETROLEUM LIQUIDS HAVING VAPOR PRESSURES OF 11 PSIA OR GREATER UNDER ACTUAL STORAGE CONDITIONS.  
[RULE 463]
- 4) THROUGHPUT OF ORGANIC LIQUIDS TO THIS TANK SHALL NOT EXCEED 66,917 BARRELS PER 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 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 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 OF THE THROUGHPUT AND THE VAPOR PRESSURE FOR EACH TYPE OF STORED PRODUCT.



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[RULE 1303(b)(2) OFFSETS, RULE 463]

- 5) IN CASE OF FAILURE OR SHUTDOWN OF THE MEASURING DEVICE AND/OR RECORDER, EXCLUDING ROUTINE MAINTANANCE, THE REQUIRMENTS 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 REQUIRMENTS 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) OFFSETS]

**Periodic Monitoring: None**

**Emissions and Requirements:**

- 6) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC: RULE 463  
VOC: RULE 1149  
VOC: RULE 1178



**FACILITY PERMIT TO OPERATE  
EQUILON ENTERPRISES, LLC SHELL OIL PRODUCTS, US**

**PERMIT TO CONSTRUCT**

A/N 427856  
Granted 5/14/2004

**Equipment Description:**

STORAGE TANK NO. M-17, GASOLINE, RIVETED SHELL, DOUBLE DECK, DOMED EXTERNAL FLOATING ROOF TYPE, 4,455 BARREL CAPACITY, 36'-0" DIA. X 29'-5" H., WITH A SHOE TYPE PRIMARY SEAL AND A WIPER TYPE SECONDARY SEAL.

**Conditions:**

1) OPERATION OF THIS EQUIPMENT SHALL BE IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]

2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]

3) THROUGHPUT OF ORGANIC LIQUIDS TO THIS TANK SHALL NOT EXCEED 18,250 BARRELS PER 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 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 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.  
[RULE 1303(b)(2) OFFSETS, RULE 463]

4) THIS TANK SHALL NOT BE USED FOR STORING PETROLEUM LIQUIDS HAVING VAPOR PRESSURES OF 11 PSIA OR GREATER UNDER ACTUAL STORAGE CONDITIONS.  
[RULE 463]



**FACILITY PERMIT TO OPERATE  
EQUILON ENTERPRISES, LLC SHELL OIL PRODUCTS, US**

- 5) IN CASE OF FAILURE OR SHUTDOWN OF THE MEASURING DEVICE AND/OR RECORDER, EXCLUDING ROUTINE MAINTANANCE, THE REQUIRMENTS 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 REQUIRMENTS 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) OFFSETS]

- 6) THE OPERATOR SHALL KEEP RECORDS IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETERS OR ITEMS:
- A. THROUGHPUT AND VAPOR PRESSURE OF STORED LIQUID.
  - B. HYDROCARBON CONCENTRATION MEASUREMENT DONE IN THE VAPOR SPACE ABOVE THE FLOATING ROOF OF THE TANK.

RECORDS SHALL BE MAINTAINED AND KEPT ON FILE FOR AT LEAST FIVE YEARS, AND SHALL BE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS AUTHORIZED REPRESENTATIVE UPON REQUEST.  
[RULE 463]

**Periodic Monitoring: None**

**Emissions and Requirements:**

- 7) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC: RULE 463  
VOC: RULE 1149  
VOC: RULE 1178



**FACILITY PERMIT TO OPERATE  
EQUILON ENTERPRISES, LLC SHELL OIL PRODUCTS, US**

**PERMIT TO CONSTRUCT**

A/N 427857  
Granted 5/14/2004

**Equipment Description:**

STORAGE TANK NO. M-5, GASOLINE, RIVETED SHELL, DOUBLE DECK, DOMED EXTERNAL FLOATING ROOF TYPE, 7,303 BARREL CAPACITY, 50'-0" DIA. X 28'-5" H., WITH A SHOE TYPE PRIMARY SEAL AND A WIPER TYPE SECONDARY SEAL.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THIS TANK SHALL NOT BE USED FOR STORING PETROLEUM LIQUIDS HAVING VAPOR PRESSURES OF 11 PSIA OR GREATER UNDER ACTUAL STORAGE CONDITIONS.  
[RULE 463]
- 4) THROUGHPUT OF ORGANIC LIQUIDS TO THIS TANK SHALL NOT EXCEED 18,250 BARRELS PER 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 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 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.  
[RULE 1303(b)(2) OFFSETS, RULE 463]

- 5) IN CASE OF FAILURE OR SHUTDOWN OF THE MEASURING DEVICE AND/OR RECORDER, EXCLUDING ROUTINE MAINTANANCE, THE REQUIRMENTS OF THIS CONDITION SHALL NOT



## FACILITY PERMIT TO OPERATE EQUILON ENTERPRISES, LLC SHELL OIL PRODUCTS, US

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 REQUIRMENTS 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) OFFSETS]

- 6) THE OPERATOR SHALL KEEP RECORDS IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETERS OR ITEMS:
- A. THROUGHPUT AND VAPOR PRESSURE OF STORED LIQUID.
  - B. HYDROCARBON CONCENTRATION MEASUREMENT DONE IN THE VAPOR SPACE ABOVE THE FLOATING ROOF OF THE TANK.

RECORDS SHALL BE MAINTAINED AND KEPT ON FILE FOR AT LEAST FIVE YEARS, AND SHALL BE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS AUTHORIZED REPRESENTATIVE UPON REQUEST.  
[RULE 463]

**Periodic Monitoring: None**

**Emissions and Requirements:**

- 7) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
- VOC: RULE 463
  - VOC: RULE 1149
  - VOC: RULE 1178



**FACILITY PERMIT TO OPERATE  
EQUILON ENTERPRISES, LLC SHELL OIL PRODUCTS, US**

**PERMIT TO CONSTRUCT**

**A/N 456579  
Granted 8/01/2006**

**Equipment Description:**

STORAGE TANK NO. M-26, HYDROCARBON LIQUIDS, WELDED PONTOON DECK, DOMED EXTERNAL FLOATING ROOF TYPE, 98,950 BARREL CAPACITY, 122'-0" DIA. X 48'-0" H., WITH A TUBE TYPE PRIMARY SEAL AND A WIPER TYPE SECONDARY SEAL.

**Conditions:**

1) OPERATION OF THIS EQUIPMENT SHALL BE IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]

2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]

3) THIS TANK SHALL NOT BE USED FOR STORING PETROLEUM LIQUIDS HAVING VAPOR PRESSURES OF 11 PSIA OR GREATER UNDER ACTUAL STORAGE CONDITIONS.

MATERIAL SAFETY DATA SHEET (MSDS) SHALL BE USED TO DEMONSTRATE COMPLIANCE WITH THIS CONDITION  
[RULE 463]

4) THROUGHPUT OF ORGANIC LIQUIDS TO THIS TANK SHALL NOT EXCEED 1,520,834 BARRELS PER 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 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 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.  
[RULE 1303(b)(2) OFFSETS, RULE 463]



**FACILITY PERMIT TO OPERATE  
EQUILON ENTERPRISES, LLC SHELL OIL PRODUCTS, US**

- 5) IN CASE OF FAILURE OR SHUTDOWN OF THE MEASURING DEVICE AND/OR RECORDER, EXCLUDING ROUTINE MAINTANANCE, THE REQUIRMENTS 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 REQUIRMENTS 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) OFFSETS]

- 6) THE OPERATOR SHALL USE THIS EQUIPMENT IN SUCH A MANNER THAT THE HYDROCARBON CONCENTRATION BEING MONITORED, AS INDICATED BY USE AN EXPLOSIMETER OR EQUIVALENT, DOES NOT EXCEED 30 PERCENT OF THE LOWER EXPLOSIVE LIMIT.  
[RULE 463]
- 7) THE OPERATOR SHALL KEEP RECORDS IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETERS OR ITEMS:
- A. THROUGHPUT AND VAPOR PRESSURE OF STORED LIQUID.
  - B. HYDROCARBON CONCENTRATION MEASUREMENT DONE IN THE VAPOR SPACE ABOVE THE FLOATING ROOF OF THE TANK.

RECORDS SHALL BE MAINTAINED AND KEPT ON FILE FOR AT LEAST FIVE YEARS, AND SHALL BE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS AUTHORIZED REPRESENTATIVE UPON REQUEST.

[RULE 463]

**Periodic Monitoring: None**

**Emissions and Requirements:**

- 8) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC: RULE 463  
VOC: RULE 1149  
VOC: RULE 1178



**FACILITY PERMIT TO OPERATE  
EQUILON ENTERPRISES, LLC SHELL OIL PRODUCTS, US**

**PERMIT TO CONSTRUCT**

A/N 456580  
Granted 8/02/2006

**Equipment Description:**

STORAGE TANK NO. M-27, HYDROCARBON LIQUID, WELDED PONTOON DECK, DOMED EXTERNAL FLOATING ROOF TYPE, 98,993 BARREL CAPACITY, 122'-0" DIA. X 48'-0" H., WITH A SHOE TYPE PRIMARY SEAL AND A WIPER TYPE SECONDARY SEAL.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THIS TANK SHALL NOT BE USED FOR STORING PETROLEUM LIQUIDS HAVING VAPOR PRESSURES OF 11 PSIA OR GREATER UNDER ACTUAL STORAGE CONDITIONS.  
[RULE 463]
- 4) THROUGHPUT OF ORGANIC LIQUIDS TO THIS TANK SHALL NOT EXCEED 1,520,834 BARRELS PER 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 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 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.  
[RULE 1303(b)(2) OFFSETS, RULE 463]

- 5) IN CASE OF FAILURE OR SHUTDOWN OF THE MEASURING DEVICE AND/OR RECORDER, EXCLUDING ROUTINE MAINTANANCE, THE REQUIRMENTS OF THIS CONDITION SHALL NOT



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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 REQUIRMENTS 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) OFFSETS]

- 6) THE OPERATOR SHALL KEEP RECORDS IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETERS OR ITEMS:
- A. THROUGHPUT AND VAPOR PRESSURE OF STORED LIQUID.
  - B. HYDROCARBON CONCENTRATION MEASUREMENT DONE IN THE VAPOR SPACE ABOVE THE FLOATING ROOF OF THE TANK.

RECORDS SHALL BE MAINTAINED AND KEPT ON FILE FOR AT LEAST FIVE YEARS, AND SHALL BE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS AUTHORIZED REPRESENTATIVE UPON REQUEST.  
[RULE 463]

**Periodic Monitoring: None**

**Emissions and Requirements:**

- 7) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
- VOC: RULE 463
  - VOC: RULE 1149
  - VOC: RULE 1178



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**PERMIT TO CONSTRUCT**

**A/N 479015  
Granted 03/10/2010**

ALTERATION TO MARINE LOADING/UNLOADING FACILITIES SERVING BERTHS NOS. 167, 168 AND 169  
CONSISTING OF:

**MAST NO.2**

1. LOADING/UNLOADING MAST WITH TWO CHUGGER HOISTS, AIR OPERATED.

BY THE REMOVAL OF:

1. ONE DEBALLAST RISER, 1'-0" DIA.
2. ONE DEBALLAST RISER, 0'-6" DIA.
3. FIVE LIGHT/DARK OIL RISER, EACH 1'-0" DIA.
4. ONE LUBE OIL RISER, 1'-0" DIA.
5. ONE LIGHT/DARK OIL RISER, 0'-8" DIA.

AND THE ADDITION OF

1. TWO 16 INCH LINES (RISERS) EACH WITH ONE EIGHT INCH CONNECTION.
2. CARBON ADSORPTION SYSTEM NO. 1, TWO CARBON ADSORPTION UNITS, IN SERIES, 2000 LBS. EACH, VENTING MAST NOS. 2 & 3 (COMMON TO MAST NOS. 2 & 3).

**MAST NO.3**

1. LOADING/UNLOADING MAST WITH TWO CHUGGER HOISTS, AIR OPERATED.

BY THE REMOVAL OF:

1. ONE DEBALLAST RISER, 0'-6" DIA.
2. THREE LIGHT/DARK OIL RISER, EACH 1'-0" DIA.
3. TWO LIGHT/DARK OIL RISER, EACH 0'-8" DIA.

AND THE ADDITION OF:

1. TWO 16 INCH LINES (RISERS) EACH WITH ONE EIGHT INCH CONNECTION.



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2. CARBON ADSORPTION SYSTEM NO. 1, TWO CARBON ADSORPTION UNITS, IN SERIES, 2000 LBS. EACH, VENTING MAST NOS. 2 & 3 (COMMON TO MAST NOS. 2 & 3).

**MAST NO.4**

1. LOADING/UNLOADING MAST WITH TWO CHUGGER HOISTS, AIR OPERATED.

**BY THE ADDITION OF**

- 1 TWO 16 INCH LINES (RISERS) EACH WITH ONE EIGHT INCH CONNECTION.
- 2 CARBON ADSORPTION SYSTEM NO. 2, TWO CARBON ADSORPTION UNITS, IN SERIES, 2000 LBS. EACH, VENTING MAST NOS. 4 & 5 (COMMON TO MAST NOS. 4 & 5).

**MAST NO.5**

1. LOADING/UNLOADING MAST WITH TWO (2) CHUGGER HOISTS, AIR OPERATED.

**BY THE REMOVAL OF:**

1. ONE DEBALLAST RISER, 1'-0" DIA.
2. ONE DEBALLAST RISER, 0'-6" DIA.
3. FOUR LIGHT/DARK OIL RISERS, EACH 1'-0" DIA.
4. ONE LIGHT/DARK OIL RISER, 0'-8" DIA.
5. ONE LUBE OIL RISER, 1'-0" DIA.

**AND THE ADDITION OF**

1. TWO 16 INCH LINES (RISERS) EACH WITH ONE EIGHT INCH CONNECTION.
- 2 CARBON ADSORPTION SYSTEM NO. 2, TWO CARBON ADSORPTION UNITS, IN SERIES, 2000 LBS. EACH, VENTING MAST NOS. 4 & 5 (COMMON TO MAST NOS. 4 & 5).

**MAST NO.6**

1. LOADING/UNLOADING MAST WITH ONE CHUGGER HOIST, AIR OPERATED.

**GENERAL**

1. PUMP, MI-10, DARK/JET/DIESEL OIL, CENTRIFUGAL TYPE WITH PACKED GLAND, 150-HP.
2. PUMP, MI-13, LIGHT/DARK OIL, CENTRIFUGAL TYPE WITH SINGLE MECHANICAL SEAL, 400-HP.
3. PUMP, MI-16, RECOVERED OIL, CENTRIFUGAL TYPE WITH SINGLE MECHANICAL SEAL, 20-HP.



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4. PUMP, MI-32, RECOVERED OIL/BALLAST WATER, CENTRIFUGAL TYPE WITH SINGLE MECHANICAL SEAL, 20-HP.
5. PUMP, MI-37, LIGHT/DARK OIL, CENTRIFUGAL TYPE WITH SINGLE MECHANICAL SEAL, 800-HP.
6. PUMP, MI-38, LIGHT/DARK OIL, CENTRIFUGAL TYPE WITH SINGLE MECHANICAL SEAL, 800-HP.
7. PUMP, MI-394, SUMP WITH PACKED GLANDS, 5-HP.
8. PUMP, MI-395, SUMP WITH PACKED GLANDS, 5-HP.
9. PUMP, MI-8445, RECOVERED OIL, DOUBLE DIAPHRAGM TYPE, AIR DRIVEN.
10. PUMP, MI-8446, RECOVERED OIL, GEAR TYPE WITH SINGLE MECHANICAL SEAL, 3/4 H.P.
11. PUMP, MI-8447, RECOVERED OIL/WATER, CENTRIFUGAL TYPE WITH SINGLE MECHANICAL SEAL, 7-1/2 H.P.

**BY THE REMOVAL OF**

1. PUMP, MI-11, RECOVERED OIL, RECIPROCATING TYPE WITH PACKED GLAND, 7-1/2 H.P.
2. PUMP, MI-12, LIGHT/BLACK OIL, CENTRIFUGAL TYPE WITH SINGLE MECHANICAL SEAL, 125-HP.
3. PUMP, MI-15, LIGHT/BLACK OIL, CENTRIFUGAL TYPE WITH SINGLE MECHANICAL SEAL, 40-HP.
4. PUMP, MI-16A, RECOVERED OIL, RECIPROCATING TYPE WITH PACKED GLAND, AIR DRIVEN (STANDBY).
5. PUMP, MI-30, LIGHT/BLACK OIL, CENTRIFUGAL TYPE WITH SINGLE MECHANICAL SEAL, 700-HP.
6. PUMP, MI-31, LIGHT/BLACK OIL, CENTRIFUGAL TYPE WITH SINGLE MECHANICAL SEAL, 150-HP.
7. PUMP, MI-275, LUBE OIL, CENTRIFUGAL TYPE WITH SINGLE MECHANICAL SEAL, 350-HP.

**AND THE ADDITION OF:**

1. PUMP, MI-11, RECOVERED OIL, PNEUMATIC, DOUBLE DIAPHRAGM.
2. PUMP, MI-15A, LIGHT/DARK OIL, CENTRIFUGAL TYPE WITH SINGLE MECHANICAL SEAL, 30-HP.
3. PUMP, MI-16A, RECOVERED OIL, PNEUMATIC, DOUBLE DIAPHRAGM
4. PUMP, MI-40, LIGHT/DARK OIL, CENTRIFUGAL TYPE WITH DOUBLE MECHANICAL SEAL, 1750-HP.
5. TWO PUMPS, PNEUMATIC, DOUBLE DIAGRAM.

**Conditions:**



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- 1) CONSTRUCTION AND OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) ALL MARINE TANKERS ENGAGED IN A LOADING, LIGHTERING, BALLASTING, OR UNLOADING EVENT AT THIS FACILITY SHALL BE EQUIPPED WITH SEGREGATED BALLAST TANKS, WHICH ARE IN GOOD OPERATING CONDITIONS.  
[RULE 1142]
- 4) THE MARINE LOADING OF "LIGHT OIL" PRODUCTS SHALL NOT EXCEED 165,000 BARRELS PER DAY AVERAGED OVER ONE CALENDAR MONTH.  
[RULE 1303(b)(2) OFFSETS]
- 5) THE MARINE UNLOADING OF "LIGHT OIL AND DARK OIL" PRODUCTS SHALL NOT EXCEED A COMBINED TOTAL OF 242,000 BARRELS PER DAY AVERAGED OVER ONE CALENDAR MONTH.  
[RULE 1303(b)(2) OFFSETS]
- 6) THE MARINE LOADING OF "DARK OIL" PRODUCTS SHALL NOT EXCEED 77,000 BARRELS PER DAY AVERAGED OVER ONE CALENDAR MONTH.  
[RULE 1303(b)(2) OFFSETS]
- 7) "LIGHT OIL" SHALL BE DEFINED AS LIQUIDS HAVING VAPOR PRESSURES GREATER THAN 0.1 PSIA AT ACTUAL OPERATING CONDITIONS.  
[RULE 1303(b)(2) OFFSETS]
- 8) "DARK OIL" SHALL BE DEFINED AS LIQUIDS HAVING VAPOR PRESSURES LESS THAN OR EQUAL TO 0.1 PSIA AT ACTUAL OPERATING CONDITIONS.  
[RULE 1303(b)(2) OFFSETS]
- 9) RECORDS OF LOADING VOLUME AND UNLOADING VOLUME OF LIQUIDS SHALL BE MAINTAINED AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 204]
- 10) THE LINES FOR MAST NOS 2, 3, 4, OR 5 SHALL NOT BE REFILLED WITH PRODUCT UNLESS THE LINES ARE CONNECTED TO THE PASSIVE CARBON ADSORPTION SYSTEMS.  
[RULE 1303(a)(1)-BACT, RULE 1303(b)(2) - OFFSET]
- 11) ALL CARBON BEDS SHALL BE REPLACED ONCE PER YEAR AND RECORDS SHALL BE KEPT WHEN THE CARBON BEDS ARE REPLACED.  
[1303(a)(1)-BACT]
- 12) VOLATILE ORGANIC COMPOUND (VOC) CONCENTRATION SHALL BE MEASURED AT THE OUTLET OF THE VAPOR CONTROL SYSTEM DAILY FOR THE FIRST 7 OPERATING DAYS AND AT LEAST ONCE EVERY WEEK THEREAFTER. THE OPERATOR SHALL USE A FLAME IONIZATION



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DETECTOR OR A DISTRICT APPROVED ORGANIC VAPOR ANALYZER CALIBRATED IN PARTS PER MILLION BY VOLUME (PPMV) OF METHANE (IF ANOTHER AGENT IS USED, THE MEASUREMENT SHALL BE CORRELATED TO AND EXPRESSED AS METHANE). THE INSTRUMENT SHALL BE MAINTAINED AND CALIBRATED PER EPA METHOD 21.  
[RULE 1303(a)(1)-BACT, RULE 1303(b)(2) - OFFSET]

- 13) WHENEVER THE VOC CONCENTRATION AT THE OUTLET OF THE SECONDARY CARBON VESSEL EXCEEDS 500 PPMV AS METHANE, THE CARBON VESSELS SHALL BE REPLENISHED WITH FRESH CARBON OR RE-SEQUENCED AND THE CARBON REPLENISHED AS FOLLOWS:
- A. SPENT CARBON IN THE PRIMARY CARBON ADSORBER SHALL BE REPLACED WITH FRESH ACTIVATED CARBON, AND
  - B. VAPOR FLOW SHALL BE RE-ROUTED SUCH THAT THE SECONDARY CARBON VESSEL BECOMES THE PRIMARY VESSEL AND THE REPLENISHED VESSEL BECOMES THE SECONDARY VESSEL.  
[1303(a)(1)-BACT]
- 14) RECORDS SHALL BE MAINTAINED TO PROVE COMPLIANCE WITH CONDITIONS ABOVE, THE RECORDS SHALL BE KEPT IN A FORMAT APPROVED IN WRITING BY THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAQMD). THE RECORDS SHALL BE MAINTAINED FOR AT LEAST FIVE YEARS, AND MADE AVAILABLE TO SCAQMD PERSONNEL UPON REQUEST.  
[RULE 204]
- 15) THE ACTIVATED CARBON USED IN THE PRIMARY AND SECONDARY CARBON ADSORBERS SHALL HAVE A CARBON TETRACHLORIDE ACTIVITY NUMBER NOT LESS THAN 60% AS MEASURED BY ASTM METHOD D3467-99 OR A BUTANE ACTIVITY NUMBER OF NOT LESS THAN 21.4% AS MEASURED BY ASTM METHOD 5742.  
[RULE 1303(a)(1)-BACT]
- 16) SPENT CARBON REMOVED FROM THE SYSTEM SHALL BE MAINTAINED OR STORED IN CLOSED CONTAINERS PRIOR TO REMOVAL FROM THE SITE.  
[RULE 204]
- 17) THE OPERATOR SHALL SUBMIT TO THE SCAQMD IN WRITING THE RESULTS OF THE FIRST MONTH OF OPERATION UNDER THIS PERMIT, INCLUDING BUT NOT LIMITED TO, MONITORING DATA SUFFICIENT TO PROVE COMPLIANCE WITH EACH CONDITION OF THIS PERMIT. SUBMITTAL SHALL BE WITHIN 45 DAYS OF INITIAL OPERATION OF THIS PERMIT UNIT AND SHALL BE ADDRESSED TO:

MR. SEAN CULLINS  
SCAQMD  
TOXICS AND WASTE MANAGEMENT TEAM  
ENGINEERING AND COMPLIANCE DIVISION  
21865 COPLEY DRIVE  
DIAMOND BAR, CA 91765  
[RULE 204, RULE 1303(B)(2)-OFFSETS]



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- 18) THIS PERMIT SHALL EXPIRE IF CONSTRUCTION OF THIS EQUIPMENT IS NOT COMPLETE WITHIN ONE YEAR FROM THE DATE ISSUANCE OF THIS PERMIT UNLESS AN EXTENSION IS GRANTED BY THE EXECUTIVE OFFICER.  
[RULE 205]

**Periodic Monitoring:**

**Emissions and Requirements:**

- 19) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC: 2 LBS/1000 BBLS ORGANIC LIQUID, RULE 1142