



South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 • www.aqmd.gov

July 31, 2013

Mr. Michael Huang
Facilities Manager
Equilon Enter. LLC, Shell Oil Prod. US
20945 S. Wilmington Ave.
Carson, CA 90810

Subject: Title V Minor Revision, Equilon Enterprises LLC dba Shell Oil Products US
Facility ID 117225

Dear Mr. Huang:

Enclosed are the revised Title Page, Table of Contents, Section A, Section D, and Section I of your Title V Facility Permit for Equilon Enterprises LLC dba Shell Oil Products US, Facility ID 117225, located at 2307 Riverside Avenue, Bloomington, CA 92316. The revised sections reflect the changes as shown below.

Section D: PERMITS TO OPERATE (issued as a Permit to Construct/Operate)

New Application/Permit No. (Added)	Previous Application/Permit No. (Removed)	Equipment/Description
543445/G24491	344687/F16322	Addition of geodesic dome to existing external floating roof storage tank (Tank No. 6); broaden the type/vapor pressures of commodities allowed to be stored, and increase the allowable throughput.

Section I: PLANS AND SCHEDULES

Application No.	Plan/Description
547204	Rule 463 Inspection and Maintenance Plan – Organic Liquid Storage

This proposed minor permit revision was submitted to the EPA for 45-day review on February 14, 2013. No comments were received from the EPA. In addition, the following administrative changes are being incorporated into the Title V permit.

Section A – Facility Information

Change of name and title of contact person.

Section D – Tank No. 6

Clarify tank height as nominal and tank capacity as the working capacity; specify the floating roof as double deck type and secondary seal as rim mounted.

Please review the attached sections carefully. Insert the enclosed sections into your RECLAIM/Title V Facility Permit and discard the earlier versions.

The operation of your facility is bound by the conditions and/or requirements stated in the facility Permit to Operate. If you determine that there are administrative errors, or if you have any questions concerning changes to your permit, please contact Mr. Thomas Liebel, Senior Engineer, at (909) 396-2554 within 30 days of the receipt of your permit.

Sincerely,



Andrew Y. Lee, P.E.
Senior Manager
Energy/Pub. Fac./Waste Mgmt./Terminals
Engineering and Compliance

AYL:CDT:TGL
Enclosures

cc: Gerardo Rios, EPA Region IX
Compliance
Central File
Application 543446



FACILITY PERMIT TO OPERATE

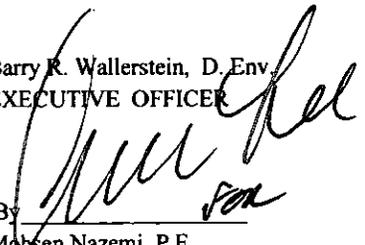
**EQUILON ENTER. LLC, SHELL OIL PROD. U S
2307 RIVERSIDE AVE
BLOOMINGTON, CA 92316**

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 
Molsen Nazemi, P.E.
Deputy Executive Officer
Engineering & Compliance



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

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B	RECLAIM Annual Emission Allocation	0	05/18/2009
C	Facility Plot Plan	TO BE DEVELOPED	
D	Facility Description and Equipment Specific Conditions	3	07/30/2013
E	Administrative Conditions	0	05/18/2009
F	RECLAIM Monitoring and Source Testing Requirements	0	05/18/2009
G	Recordkeeping and Reporting Requirements for RECLAIM Sources	0	05/18/2009
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I	Compliance Plans & Schedules	1	07/30/2013
J	Air Toxics	0	05/18/2009
K	Title V Administration	0	05/18/2009
Appendix			
A	NOx and SOx Emitting Equipment Exempt From Written Permit Pursuant to Rule 219	0	05/18/2009
B	Rule Emission Limits	0	05/18/2009



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

SECTION A: FACILITY INFORMATION

LEGAL OWNER &/OR OPERATOR: EQUILON ENTER. LLC, SHELL OIL PROD. U S

LEGAL OPERATOR (if different than owner):

EQUIPMENT LOCATION: 2307 RIVERSIDE AVE
BLOOMINGTON, CA 92316-2931

MAILING ADDRESS: 20945 S WILMINGTON AVE
CARSON, CA 90810

RESPONSIBLE OFFICIAL: MAHESH NAGARKATTI

TITLE: REGIONAL OPERATIONS MANAGER

TELEPHONE NUMBER: (310) 816-2009

CONTACT PERSON: MICHAEL HUANG

TITLE: FACILITIES MANAGER

TELEPHONE NUMBER: (310) 628-2285

INITIAL TITLE V PERMIT ISSUED: May 18, 2009

TITLE V PERMIT EXPIRATION DATE: May 17, 2014

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



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

**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 PRODUCTS**

PERMITTED EQUIPMENT LIST

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

Application Number	Permit to Operate Number	Equipment Description	Page Number
344689	F16313	STORAGE TANK #20, INTERNAL FLOATING ROOF	4
344692	F16315	STORAGE TANK #40, INTERNAL FLOATING ROOF	5
344693	F16314	STORAGE TANK, UNDERGROUND	6
379788	G18503	STORAGE TANK #CO-6340, INTERNAL FLOATING ROOF	7
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515267	G14564	STORAGE TANK #14, DOMED EXT. FLOATING ROOF	19
543445	G24491	STORAGE TANK #6, DOMED EXT. FLOATING ROOF	21

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 PRODUCTS**

FACILITY WIDE CONDITION(S)

Condition(s):

1. 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)
2. 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)
3. THIS FACILITY SHALL COMPLY WITH THE MINOR SOURCE REQUIREMENTS OF 40 CFR 63 SUBPART R.
[40 CFR 60 SUBPART R]
4. THIS FACILITY SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF 40 CFR 63 SUBPART BBBBBB.
[40 CFR 63 SUBPART BBBBBB]



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

PERMIT TO OPERATE

**Permit No. F16313
A/N 344689**

Equipment Description:

STORAGE TANK NO. 20, 82' -0" DIA. X 50'-0" H., 1,890,000 GALLONS CAPACITY, INTERNAL FLOATING ROOF, LIQUID MOUNTED, WITH A MECHANICAL SHOE PRIMARY SEAL, AND A WIPER TYPE SECONDARY SEAL.

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) THROUGHPUT OF THIS TANK OF PETROLEUM LIQUID SHALL NOT EXCEED 3,451,368 BARRELS PER YEAR. THROUGHPUT RECORDS, IN ADDITION TO THOSE RECORDS REQUIRED BY RULE 463 SHALL BE MAINTAINED FOR A FIVE YEAR PERIOD AND BE MADE AVAILABLE FOR INSPECTION BY DISTRICT PERSONNEL UPON REQUEST.
[RULE 463; RULE 1303(b)(2) OFFSETS]
- 4) THIS TANK SHALL NOT BE USED FOR STORING ORGANIC LIQUID HAVING A VAPOR PRESSURE OF 569 MM HG (11 PSIA) OR GREATER UNDER ACTUAL STORAGE CONDITIONS.
[RULE 463]
- 5) THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE INTERNAL ROOF SHALL NOT EXCEED 30% OF THE LOWER EXPLOSIVE LIMIT.
[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



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

PERMIT TO OPERATE

Permit No. F16315
A/N 344692

Equipment Description:

STORAGE TANK NO. 40, 73'-0" DIA. X 50'-0" H., 1,503,600 GALLONS CAPACITY, INTERNAL FLOATING ROOF, LIQUID MOUNTED, WITH A MECHANICAL SHOE PRIMARY SEAL, AND A WIPER TYPE SECONDARY SEAL.

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) THIS TANK SHALL NOT BE USED FOR STORING ORGANIC LIQUID HAVING A VAPOR PRESSURE OF 569 MM HG (11 PSIA) OR GREATER UNDER ACTUAL STORAGE CONDITIONS.
[RULE 463]
- 4) THROUGHPUT TO THIS TANK OF PETROLEUM LIQUID SHALL NOT EXCEED 2,711,790 BARRELS PER YEAR. THROUGHPUT RECORDS, IN ADDITION TO THOSE RECORDS REQUIRED BY RULE 463 SHALL BE MAINTAINED FOR A FIVE YEAR PERIOD AND BE MADE AVAILABLE FOR INSPECTION BY DISTRICT PERSONNEL UPON REQUEST.
[RULE 463; RULE 1303(b)(2) OFFSETS]
- 5) THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE INTERNAL ROOF SHALL NOT EXCEED 30% OF THE LOWER EXPLOSIVE LIMIT.
[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



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

PERMIT TO OPERATE

**Permit No. F16314
A/N 344693**

Equipment Description:

STORAGE TANK, UNDERGROUND, 8' -0" DIA. X 27' -0" L., 12,000 GALLONS CAPACITY.

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. THIS TANK SHALL NOT BE USED FOR STORING PETROLEUM LIQUID HAVING A VAPOR PRESSURE OF 3.9 PSIA OR GREATER UNDER ACTUAL STORAGE CONDITIONS.
[RULE 1303 (b)(2) OFFSETS]
4. THROUGHPUT OF PETROLEUM LIQUID TO THIS TANK SHALL NOT EXCEED 48,000 GALLONS PER YEAR. THROUGHPUT RECORDS SHALL BE MAINTAINED AND BE MADE AVAILABLE FOR INSPECTION BY DISTRICT PERSONNEL UPON REQUEST.
[RULE 1303(b)(2) OFFSETS]

Periodic Monitoring: None

Emissions and Requirements:

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

VOC: RULE 1149



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

PERMIT TO OPERATE

Permit No. G18503
A/N 379788

Equipment Description:

STORAGE TANK NO. C0-6340, INTERNAL FLOATING ROOF, 36'-0" D. X 40'-0"H., 6340 BBL CAPACITY, WITH A INTERNAL PAN FLOATING ROOF, WELDED, A METALLIC SHOE PRIMARY SEAL, A WIPER TYPE SECONDARY SEAL, AND A PUMP, CENTRIFIGAL, WITH DOUBLE MECHANICAL SEAL, 2 TOTAL, 25 HP EACH.

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) THIS TANK SHALL ONLY BE USED FOR STORAGE OF DENATURED ETHANOL AND THE OPERATOR SHALL LIMIT THROUGHPUT OF DENATURED ETHANOL TO NOT MORE THAN 6,131,097 GALLONS PER MONTH. A FLOW MEASURING DEVICE, LOCATED AT LOADING RACKS NO. 1 AND NO. 2 SHALL RECORD THE THROUGHPUT TO SHOW COMPLIANCE WITH THIS CONDITION.
[RULE 1303 (b)(2) OFFSETS, 40 CFR 60 SUBPART Kb]
- 4) THE OPERATOR SHALL USE THIS EQUIPMENT IN 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.
[RULE 463]
- 5) THE OPERATOR SHALL KEEP RECORDS OF THE STORAGE TANK THROUGHPUT. RECORDS SHALL BE MAINTAINED AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 463]

Periodic Monitoring: None



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

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/TOC: 40 CFR 60 SUBPART Kb



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

PERMIT TO OPERATE

Permit No. G18504
A/N 389296

Equipment Description:

STORAGE TANK NO. C0-24, INTERNAL FLOATING ROOF, 48'-0" D. X 48'-0"H., 11,900 BBL CAPACITY, WITH A INTERNAL PAN FLOATING ROOF, WELDED, A METALLIC SHOE PRIMARY SEAL, AND A WIPER TYPE SECONDARY SEAL.

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) THE OPERATOR SHALL LIMIT THROUGHPUT TO NOT MORE THAN 5,835,165 GALLONS PER MONTH. A FLOW MEASURING DEVICE, LOCATED AT LOADING RACKS NO. 1 AND NO. 2 SHALL RECORD THE THROUGHPUT TO SHOW COMPLIANCE WITH THIS CONDITION.
[RULE 1303 (b)(2) OFFSETS]
- 4) THE OPERATOR SHALL USE THIS EQUIPMENT IN 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.

[RULE 463]

- 5) THE OPERATOR SHALL KEEP RECORDS OF THE STORAGE TANK THROUGHPUT. RECORDS SHALL BE MAINTAINED IN A FORMAT APPROVED BY THE DISTRICT, AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 463]
- 6) THIS TANK SHALL ONLY BE USED FOR STORAGE OF PETROLUUM DISTILLATES AND GASOLINE BLENDING COMPONENTS INCLUDING OXYGENATES SUCH AS DENATURED ETHANOL. THE TRUE VAPOR PRESSURE OF STORAGE PRODUCTS SHALL NOT EXCEED 569 MM HG (11 PSIA).
[RULE 1303(B)(2)-OFFSET]

Periodic Monitoring: None



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

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: 40 CFR 63 SUBPART Kb



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

PERMIT TO OPERATE

Permit no. G18505
A/N 393489

Equipment Description:

BULK LOADING RACK NO. 1 CONSISTING OF THE FOLLOWING:

1. LOADING ARMS, BOTTOM TANK TRUCK, 6 TOTAL, 4 INCHES IN DIAMETER.
2. TWO ADDITIVE INJECTION LINES CONNECTED TO EACH LOADING ARM.
3. ONE ETHANOL INJECTION LINE CONNECTED TO EACH LOADING ARM.
4. TWO VAPOR RECOVERY LINES, 4 INCHES IN DIAMETER (ALSO SERVING A 12,000 GALLONS UNDERGROUND SLOP TANK AND DRAIN SYSTEM).
5. PUMP, CENTRIFIGAL, WITH DOUBLE MECHANICAL SEAL, 4 TOTAL, 75 HP EACH, COMMON TO RACK NO. 1 AND NO. 2.
6. PUMP, CENTRIFIGAL, TRUCK UNLOADING, WITH DOUBLE MECHANICAL SEAL, 15 HP, COMMON TO RACK NO. 1 AND NO. 2.
7. PUMP, POSITIVE DISPLACEMENT, ADDITIVE 2 TOTAL, 2 HP EACH, COMMON TO RACK NO. 1 AND NO. 2.
8. PUMP, CENTRIFIGAL, DENATURED ETHANOL LOADING, WITH DOUBLE MECHANICAL SEAL, 2 TOTAL (1 IS BACK-UP), 30 HP EACH, COMMON TO RACK NO. 1 AND NO. 2.
9. PUMP, CENTRIFIGAL, DIESEL LOADING, WITH ONE DOUBLE MECHANICAL SEAL AND ONE 3 HP MOTOR, COMMON TO RACK NO. 1 AND NO. 2.

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) THIS OPERATOR SHALL ONLY USE THIS LOADING/UNLOADING RACK FOR PETROLEUM DISTILLATES AND GASOLINE BLENDING COMPONENTS INCLUDING OXYGENATES SUCH AS DENATURED ETHANOL. THE PRODUCTS LOADED/UNLOADED SHALL HAVE A TRUE VAPOR PRESSURE OF LESS THAN 569 MM HG (11 PSIA).



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

[RULE 1303 (b)(2) OFFSETS]

- 4) THE OPERATOR SHALL LIMIT THE LOADING RATE TO A MAXIMUM 1,050,000 GALLONS PER DAY. THIS LIMIT SHALL APPLY TO THE TOTAL COMBINED LOADING RATE FOR THE ENTIRE BULK LOADING PLANT, LOADING RACKS NO. 1 AND NO. 2.

[RULE 1303 (b)(2) OFFSETS]

- 5) THE VOC EMISSIONS FROM THIS LOADING/UNLOADING SYSTEM SHALL NOT EXCEED 0.05 LB PER 1,000 GALLONS OF PRODUCT LOADED. EQUILON SHALL OBTAIN A COPY OF THE SOURCE TEST CONDUCTED BY THE PERMITTED OPERATOR OF THE VAPOR CONTROL SYSTEM ON AN ANNUAL BASIS. EQUILON SHALL NOTIFY THE DISTRICT IF THE SOURCE TEST RESULTS EXCEED 0.05 POUNDS PER 1,000 GALLONS LOADED.

[RULE 1303 (b)(2) OFFSETS, RULE 1304 (c)(4)]

- 6) THE OPERATOR SHALL NOT OPERATE THIS EQUIPMENT UNLESS IT IS VENTED TO THE VAPOR CONTROL SYSTEM (THERMAL OXIDIZER OF SANTA FE PACIFIC PIPELINE ID 800129) AND SHALL NOT BE VENTED TO ANY OTHER LOADING RACK.

THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS THE THERMAL OXIDIZER IN FULL USE AND HAS BEEN ISSUED A PERMIT TO CONSTRUCT/OPERATE BY THE EXECUTIVE OFFICER.

[RULE 1303 (a)(1) BACT]

- 7) IN ADDITION TO THE RECORDS REQUIRED IN RULE 462, THE LOADING THROUGHPUT RECORD SHALL BE MAINTAINED AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.

[RULE 462]

- 8) THE FOLLOWING BACT REQUIREMENTS SHALL APPLY TO NEW VOC SERVICE FUGITIVE COMPONENTS:

ALL VALVES SHALL BE BELLOW SEAL VALVES EXCEPT IN THE FOLLOWING APPLICATIONS: VALVES 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), RETROFIT/SPECIAL APPLICATION VALVES WITH SPACE LIMITATION, AND VALVES NOT COMMERCIALY AVAILABLE. THE DISTRICT SHALL APPROVE ALL EXCEPTIONS TO THIS REQUIREMENT. ALL VALVES AND NEW MAJOR COMPONENTS SHALL BE PHYSICALLY IDENTIFIED IN THE FIELD WITH SPECIAL MARKINGS THAT DISTINGUISH THE COMPONENTS FROM NON-BACT COMPONENTS. ADDITIONALLY ALL NEW COMPONENTS SHALL BE IDENTIFIED AS BACT COMPONENTS IN THE RECORD.

ALL NEW FUGITIVE COMPONENTS IN VOC SERVICE SHALL BE INSPECTED MONTHLY USING EPA REFERENCE METHOD 21.

ALL COMPONENTS IN VOC SERVICE, WITH A LEAK GREATER THAN 500 PPM BUT LESS THAN 1000 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.



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

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 PPMV ABOVE BACKGROUND.

THE RECORDS OF THE MONTHLY INSPECTION, SUBSEQUENT REPAIRS AND REINSPECTIONS, IF ANY, SHALL BE MAINTAINED FOR TWO YEARS (FIVE YEARS FOR A TITLE V FACILITY) IN A FORMAT APPROVED BY THE DISTRICT, AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1303(a)(1) BACT]

Periodic Monitoring: None

Emissions and Requirements:

- 9) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
- | | |
|----------|--|
| VOC: | 0.08 LBS/1000 GALS ORGANIC LIQUID LOADED, RULE 462 |
| TOC/VOC: | 35 MG/L ORGANIC LIQUID LOADED, 40 CFR 60 SUBPART XX |
| : | VOC 0.05 LBS/1000 GALLONS ORGANIC LIQUID LOADED, 1303(b)(2)-OFFSET |



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

PERMIT TO OPERATE

**Permit no. G18506
A/N 393490**

Equipment Description:

BULK LOADING RACK NO. 2 CONSISTING OF THE FOLLOWING:

1. LOADING ARMS, BOTTOM TANK TRUCK, 6 TOTAL, 4 INCHES IN DIAMETER.
2. TWO ADDITIVE INJECTION LINES CONNECTED TO EACH LOADING ARM.
3. ONE ETHANOL INJECTION LINE CONNECTED TO EACH LOADING ARM.
4. TWO VAPOR RECOVERY LINES, 4 INCHES IN DIAMETER (ALSO SERVING A 12,000 GALLONS UNDERGROUND SLOP TANK AND DRAIN SYSTEM).
5. PUMP, CENTRIFIGAL, LOADING, WITH DOUBLE MECHANICAL SEAL, 4 TOTAL, 75 HP EACH, COMMON TO RACK NO. 1 AND NO. 2.
6. PUMP, CENTRIFIGAL, TRUCK UNLOADING, WITH DOUBLE MECHANICAL SEAL, 15 HP, COMMON TO RACK NO. 1 AND NO. 2.
7. PUMP, POSITIVE DISPLACEMENT, ADDITIVE 2 TOTAL, 2 HP EACH, COMMON TO RACK NO. 1 AND NO. 2.
8. PUMP, CENTRIFIGAL, DENATURED ETHANOL LOADING, WITH DOUBLE MECHANICAL SEAL, 2 TOTAL (1 IS BACK-UP), 30 HP EACH, COMMON TO RACK NO. 1 AND NO. 2.
9. PUMP, DENTRIFIGAL, DIESEL LOADING, WITH ONE DOUBLE MECHANICAL SEAL AND ONE 3 HP MOTOR, COMMON TO RACK NO. 1 AND NO. 2.

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) THIS OPERATOR SHALL ONLY USE THIS LOADING/UNLOADING RACK FOR PETROLEUM DISTILLATES AND GASOLINE BLENDING COMPONENTS INCLUDING OXYGENATES SUCH AS DENATURED ETHANOL. THE PRODUCTS LOADED/UNLOADED SHALL HAVE A TRUE VAPOR PRESSURE OF LESS THAN 569 MM HG (11 PSIA).



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

[RULE 1303 (b)(2) OFFSETS]

- 4) THE OPERATOR SHALL LIMIT THE LOADING RATE TO A MAXIMUM 1,050,000 GALLONS PER DAY. THIS LIMIT SHALL APPLY TO THE TOTAL COMBINED LOADING RATE FOR THE ENTIRE BULK LOADING PLANT, LOADING RACKS NO. 1 AND NO. 2.
[RULE 1303 (b)(2) OFFSETS]

- 5) THE VOC EMISSIONS FROM THIS LOADING/UNLOADING SYSTEM SHALL NOT EXCEED 0.05 LB PER 1,000 GALLONS OF PRODUCT LOADED. EQUILON SHALL OBTAIN A COPY OF THE SOURCE TEST CONDUCTED BY THE PERMITTED OPERATOR OF THE VAPOR CONTROL SYSTEM ON AN ANNUAL BASIS. EQUILON SHALL NOTIFY THE DISTRICT IF THE SOURCE TEST RESULTS EXCEED 0.05 POUNDS PER 1,000 GALLONS LOADED.
[RULE 1303 (b)(2) OFFSETS, RULE 1304 (c)(4)]

- 6) THE OPERATOR SHALL NOT OPERATE THIS EQUIPMENT UNLESS IT IS VENTED TO THE VAPOR CONTROL SYSTEM (THERMAL OXIDIZER OF SANTA FE PACIFIC PIPELINE ID 800129) AND SHALL NOT BE VENTED TO ANY OTHER LOADING RACK.

THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS THE THERMAL OXIDIZER IN FULL USE AND HAS BEEN ISSUED A PERMIT TO CONSTRUCT/OPERATE BY THE EXECUTIVE OFFICER.
[RULE 1303 (a)(1) BACT]

- 7) IN ADDITION TO THE RECORDS REQUIRED IN RULE 462, THE LOADING THROUGHPUT RECORD SHALL BE MAINTAINED AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 462]

- 8) THE FOLLOWING BACT REQUIREMENTS SHALL APPLY TO NEW VOC SERVICE FUGITIVE COMPONENTS:

ALL VALVES SHALL BE BELLOWS SEAL VALVES EXCEPT IN THE FOLLOWING APPLICATIONS: VALVES 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), RETROFIT/SPECIAL APPLICATION VALVES WITH SPACE LIMITATION, AND VALVES NOT COMMERCIALY AVAILABLE. THE DISTRICT SHALL APPROVE ALL EXCEPTIONS TO THIS REQUIREMENT. ALL VALVES AND NEW MAJOR COMPONENTS SHALL BE PHYSICALLY IDENTIFIED IN THE FIELD WITH SPECIAL MARKINGS THAT DISTINGUISH THE COMPONENTS FROM NON-BACT COMPONENTS. ADDITIONALLY ALL NEW COMPONENTS SHALL BE IDENTIFIED AS BACT COMPONENTS IN THE RECORD.

ALL NEW FUGITIVE COMPONENTS IN VOC SERVICE SHALL BE INSPECTED MONTHLY USING EPA REFERENCE METHOD 21.

ALL COMPONENTS IN VOC SERVICE, WITH A LEAK GREATER THAN 500 PPM BUT LESS THAN 1000 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.



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

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 PPMV ABOVE BACKGROUND.

THE RECORDS OF THE MONTHLY INSPECTION, SUBSEQUENT REPAIRS AND REINSPECTIONS, IF ANY, SHALL BE MAINTAINED FOR TWO YEARS (FIVE YEARS FOR A TITLE V FACILITY) IN A FORMAT APPROVED BY THE DISTRICT, AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1303(a)(1) BACT]

Periodic Monitoring: None

Emissions and Requirements:

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

VOC: 0.08 LBS/1000 GALS ORGANIC LIQUID LOADED, RULE 462
TOC/VOC: 35 MG/L ORGANIC LIQUID LOADED, 40 CFR 60 SUBPART XX
VOC 0.05 LBS/1000 GALLONS ORGANIC LIQUID LOADED, 1303(b)(2)-OFFSET



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

PERMIT TO CONSTRUCT/OPERATE

**Permit no. G14565
A/N 509123**

Equipment Description:

ALTERATION TO STORAGE TANK NO. 13, 54'-6" DIA.X 48' -1" H., 20,000 BBL. CAPACITY, WELDED SHELL, PONTOON EXTERNAL FLOATING ROOF WITH A SHOE TYPE PRIMARY SEAL AND A SECONDARY SEAL BY:

THE INSTALLATION OF A GEODESIC DOME.

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) THIS TANK SHALL NOT BE USED FOR STORING ORGANIC LIQUID HAVING A VAPOR PRESSURE OF 569 MM HG (11 PSIA) OR GREATER UNDER ACTUAL STORAGE CONDITIONS.
[RULE 463]
- 4) THIS TANK SHALL NOT BE USED FOR STORING PURE ORGANIC COMPOUNDS.
[RULE 204]
- 5) UPON COMPLETION OF THE INSTALLATION OF THE GEODESIC DOME, THROUGHPUT OF MATERIALS IN THIS TANK SHALL NOT EXCEED 250,000 BARRELS IN ANY ONE CALENDAR MONTH.
[RULE 1303(b)(2) OFFSETS]
- 6) THE OPERATOR SHALL IN ADDITION TO THOSE RECORDS REQUIRED BY RULE 463, KEEP RECORDS OF MATERIALS STORED, VAPOR PRESSURE, AND THROUGHPUT. SUCH RECORDS SHALL BE MAINTAINED FOR A FIVE YEAR PERIOD AND BE MADE AVAILABLE FOR INSPECTION BY DISTRICT PERSONNEL UPON REQUEST.
[RULE 463; RULE 1303(b)(2) OFFSETS]
- 7) THIS PERMIT TO CONSTRUCT SHALL EXPIRE ON SEPTEMBER 5, 2012 UNLESS AN EXTENSION IS GRANTED BY THE EXECUTIVE OFFICER.
[RULE 205]



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

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



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

PERMIT TO CONSTRUCT/OPERATE

**Permit no. G14564
A/N 515267**

Equipment Description:

ALTERATION TO STORAGE TANK NO. 14, 54' -6" DIA. X 48'-1" H., 20,000 BBL. CAPACITY, WELDED SHELL, PONTOON EXTERNAL FLOATING ROOF WITH A SHOE TYPE PRIMARY SEAL AND A SECONDARY SEAL BY:

THE INSTALLATION OF A GEODESIC DOME.

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) THIS TANK SHALL NOT BE USED FOR STORING ORGANIC LIQUID HAVING A VAPOR PRESSURE OF 569 MM HG (11 PSIA) OR GREATER UNDER ACTUAL STORAGE CONDITIONS.
[RULE 463]
- 4) THIS TANK SHALL NOT BE USED FOR STORING PURE ORGANIC COMPOUNDS.
[RULE 204]
- 5) UPON COMPLETION OF THE INSTALLATION OF THE GEODESIC DOME, THROUGHPUT OF MATERIALS IN THIS TANK SHALL NOT EXCEED 250,000 BARRELS IN ANY ONE CALENDAR MONTH.
[RULE 1303(b)(2) OFFSETS]
- 6) THE OPERATOR SHALL IN ADDITION TO THOSE RECORDS REQUIRED BY RULE 463, KEEP RECORDS OF MATERIALS STORED, VAPOR PRESSURE, AND THROUGHPUT. SUCH RECORDS SHALL BE MAINTAINED FOR A FIVE YEAR PERIOD AND BE MADE AVAILABLE FOR INSPECTION BY DISTRICT PERSONNEL UPON REQUEST.
[RULE 463; RULE 1303(b)(2) OFFSETS]
- 7) THIS PERMIT TO CONSTRUCT SHALL EXPIRE ON SEPTEMBER 5, 2012 UNLESS AN EXTENSION IS GRANTED BY THE EXECUTIVE OFFICER.
[RULE 205]



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

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



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

PERMIT TO CONSTRUCT/OPERATE

**Permit No. G24491
A/N 543445**

Equipment Description:

MODIFICATION OF STORAGE TANK NO. 6, 48' -0" DIA. X 48' -0" H.(NOMINAL), 588,235 GALLONS WORKING CAPACITY, EXTERNAL FLOATING ROOF, DOUBLE-DECK TYPE, WITH A LIQUID MOUNTED MECHANICAL SHOE PRIMARY SEAL AND A RIM-MOUNTED WIPER TYPE SECONDARY SEAL, BY:

THE ADDITION OF A GEODESIC DOME

Conditions:

- 1) CONSTRUCTION AND 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) PRIOR TO THE COMPLETION OF CONSTRUCTION OF THE GEODESIC DOME, THE OPERATOR SHALL LIMIT THE TANK THROUGHPUT TO NO MORE THAN 730,000 BARRELS PER YEAR. MATERIALS STORED SHALL CONSIST OF ORGANIC LIQUID HAVING A REID VAPOR PRESSURE NOT TO EXCEED 11 PSIA.
[RULE 1303(b)(2) – OFFSETS, RULE 1313(g) – EMISSION LIMITATION]
- 4) AFTER CONSTRUCTION OF THE GEODESIC DOME IS COMPLETE AND THE EXECUTIVE OFFICER BEING DULY NOTIFIED, THE OPERATOR SHALL LIMIT THE TANK THROUGHPUT TO NO MORE THAN 417,000 BARRELS IN ANY ONE CALENDAR MONTH. MATERIALS STORED SHALL CONSIST OF PETROLEUM PRODUCTS HAVING A REID VAPOR PRESSURE NOT TO EXCEED 13.5 PSIA INCLUDING BUT NOT LIMITED TO GASOLINE, GASOLINE ADDITIVES, OXYGENATES (INCLUDING DENATURED ETHANOL), DIESEL FUELS (INCLUDING BIODIESEL) AND SYNTHETIC FUELS.
[RULE 1303(b)(2) - OFFSETS, RULE 1313(g) – EMISSION LIMITATION, RULE 1401]
- 5) FINAL DRAWINGS/SPECIFICATIONS OF THIS EQUIPMENT AS CONSTRUCTED/MODIFIED UNDER THIS PERMIT TO CONSTRUCT SHALL BE SUBMITTED TO THE DISTRICT WITHIN 60 DAYS OF INITIAL START-UP OF THE MODIFIED EQUIPMENT.
[RULE 204]



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

- 6) THE OPERATOR SHALL KEEP ADEQUATE RECORDS TO SHOW COMPLIANCE WITH THE CONDITIONS OF THIS PERMIT. SUCH RECORDS SHALL BE MAINTAINED AND KEPT ON SITE FOR AT LEAST FIVE YEARS AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS AUTHORIZED REPRESENTATIVE.
[RULE 463, RULE 1149, REGULATION XXX]

- 7) THIS PERMIT TO CONSTRUCT SHALL EXPIRE ON JULY 29, 2014 UNLESS AN EXTENSION IS GRANTED BY THE EXECUTIVE OFFICER OR UNLESS THE EQUIPMENT HAS BEEN CONSTRUCTED AND THE OPERATOR HAS NOTIFIED THE EXECUTIVE OFFICER PRIOR TO THE OPERATION OF THE EQUIPMENT.
[RULE 205]

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



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

RULE 219 EQUIPMENT

Equipment Description:

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

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 109, RULE 1113]

- 2) PAINTING OF TANKS SHALL COMPLY WITH RULE 1113.
[RULE 1113]

Periodic Monitoring: NONE

Emissions and Requirements:

- 3) 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



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

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 PRODUCTS**

RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, BOILER, > 400,000 BTU/HR BUT < 2 MMBTU/HR.

Emissions And Requirements:

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

PM: 0.1 gr/scf, RULE 409
NOx: 30 PPMV, RULE 1146.2
CO: 400 PPMV, RULE 1146.2
CO: 2000 PPMV, RULE 407



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

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 PRODUCTS

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 PRODUCTS**

RULE 219 EQUIPMENT

Equipment Description:

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

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:



South Coast Air Quality Management District
21865 Copley Drive, Diamond Bar, CA 91765-4178

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Facility I.D.#: 117225
Revision #: 3
Date: July 30, 2013

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

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 PRODUCTS**

RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, LAMINATING EQUIPMENT, LOW USE OR EMISSIONS.

Emissions And Requirements:

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

VOC: RULE 1168, SEE APPENDIX B FOR EMISSION LIMITS

VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS



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

RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, HAND LAY, BRUSH AND ROLL UP RESIN OPERATIONS.

Emissions And Requirements:

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
VOC: RULE 1162, SEE APPENDIX B FOR EMISSION LIMITS
VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS



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

SECTION I: PLANS AND SCHEDULES

This section lists all plans approved by AQMD for the purposes of meeting the requirements of applicable AQMD rules specified below. The operator shall comply with all conditions specified in the approval of these plans .

Documents pertaining to the plan applications listed below are available for public review at AQMD Headquarters. Any changes to plan applications will require permit modification in accordance with Title V permit revision procedures.

List of approved plans:

Application	Rule
547204	463

NOTE: This section does not list compliance schedules pursuant to the requirements of Regulation XXX - Title V Permits; Rule 3004(a)(10)(C). For equipment subject to a variance, order for abatement, or alternative operating condition granted pursuant to Rule 518.2, equipment specific conditions are added to the equipment in Section D or H of the permit.



Rule 463 Inspection and Maintenance Plan Approval

Facility ID : 117225 - Company Name : Equilon Enterprises LLC dba Shell Oil Products US

LEGAL OWNER OR OPERATOR Equilon Enterprises LLC dba Shell Oil Products US

FACILITY LOCATION 2307 Riverside Avenue, Bloomington, CA 92316

MAILING ADDRESS 20945 S. Wilmington Avenue, Carson, CA 90810

ADMINISTRATIVE REQUIREMENTS

This facility shall be subject to the terms and conditions of this plan unless this plan is suspended, revoked, modified, reissued or denied. Failure to maintain a valid plan is a violation of Rule 463.

It is the responsibility of the facility to comply with other District Rules and Regulations and with all laws, ordinances and regulations of other government agencies which are applicable to the operation of the equipment.

This plan 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 and Regulations of the AQMD. This plan cannot be considered as permission to violate existing laws, ordinances, regulation, or statutes of the other governmental agencies.

RULE 463 EQUIPMENT

Two (2) External Floating Roof Tanks listed in submitted plan.

Three (3) Domed External Floating Roof Tanks (two which are yet to be completed) listed in submitted plan.

Four (4) Internal Floating Roof Tanks listed in submitted plan.

CONDITIONS

1. The operator shall conduct the operation of the storage equipment in compliance with all data and specifications submitted with the plan application under which this approval is granted.
2. Floating roof tank seals shall be properly installed and continuously maintained in good operating condition.

EQUILON ENTERPRISES, LLC dba SHELL OIL PRODUCTS, US
 Shell Oil Products, US - Colton Terminal
 INSPECTION AND MAINTENANCE PLAN

RULE 463 TANK INVENTORY

Tank No.	Capacity (bbls)	Product	Shell Type	Size Diam x Ht	Prim. Seal	Sec. Seal	Roof	Year Built
6	14,006	Organic Liquid	Welded	48' x 48'	Mech Shoe	Wiper	External ¹	1956
13	20,000	Organic Liquid	Welded	54' 6" x 48' 1"	Mech Shoe	Wiper	Domed External	1962
14	20,000	Organic Liquid	Welded	54' 6" x 48' 1"	Mech Shoe	Wiper	External ²	1963
20	45,000	Organic Liquid	Welded	82' x 50'	Mech Shoe	Wiper	Internal	1965
40	35,800	Organic Liquid	Welded	73' x 50'	Mech Shoe	Wiper	Internal	1970
24	11,900	Organic Liquid	Welded	48' x 48'	Mech Shoe	Wiper	Internal	1967
6340	6,340	Ethanol	Welded	36' x 40'	Mech Shoe	Wiper	Internal	2002

INSPECTION SCHEDULE

Inspections will continue to occur during the months of MARCH and SEPTEMBER

SCAQMD CERTIFIED INSPECTORS

The Shell Colton Terminal has four employees with current Rule 463 Auditor Certifications. There are approximately 9 Shell Employees staffed at other locations who may also be requested to conduct the inspections. The terminal may also contract out these inspections to vendors whose personnel are Rule 463 Auditor Certified.

¹ Dome scheduled to be installed in April 2013.

² Dome scheduled to be installed in early 2014.