

FACILITY PERMIT TO OPERATE CHEVRON PRODUCTS COMPANY

SECTION A: FACILITY INFORMATION

LEGAL OWNER &/OR OPERATOR: CHEVRON PRODUCTS COMPANY

LEGAL OPERATOR (if different than owner):

EQUIPMENT LOCATION: 17881 GOTHARD ST
 HUNTINGTON BEACH, CA 92647-6252

MAILING ADDRESS: 17881 17881 GOTHARD ST 17881
 HUNTINGTON BEACH, CA 92647

RESPONSIBLE OFFICIAL: TODD VANDERVEEN

TITLE: TERMINAL MANAGER

TELEPHONE NUMBER: (714) 596-7592

CONTACT PERSON: KEN YEE

TITLE: TERMINAL ENVIRONMENTAL H & S
 SPECIALIST

TELEPHONE NUMBER: (714) 843-0866

INITIAL TITLE V PERMIT ISSUED: May 28, 2009

TITLE V PERMIT EXPIRATION DATE: May 27, 2014

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

FACILITY PERMIT TO OPERATE CHEVRON PRODUCTS COMPANY

PERMIT TO OPERATE

Permit No. TBD
A/N 400516

Equipment Description:

WASTEWATER SYSTEM, CONSISTING OF:

1. OIL/WATER SEPARATOR, 4'-0"W X 4'-0"L X 4'-0"D, COVERED
2. SLOP TANK NO. 1, 8'-0" DIA. X 27'-0" L, 10,000 GALLON CAPACITY, **VENTED TO VAPOR RECOVERY SYSTEM.**
3. **SLOP TANK NO. 5, 8'-0" DIA. X 27'-0" L, 10,000 GALLON CAPACITY, VENTED TO VAPOR RECOVERY SYSTEM.**
4. TRANSFER PUMP WITH MECH. SEAL, 1-1/2 H.P. (COMMON TO VAPOR RECOVERY SYSTEM).
5. WASTE WATER PUMP, 10-H.P.

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]

Periodic Monitoring: NONE

Emissions and Requirements:

- 3) THIS EQUIPMENT SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC: RULE 464

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PERMIT TO OPERATE

Permit No. TBD
A/N 552374

Equipment Description:

VAPOR RECOVERY SYSTEM, RHEEM- SUPERIOR TYPE 10 CONSISTING OF:

1. VAPOR COMBUSTOR, MCGILL, 30 MMBTU/HR MAXIMUM RATING.
2. VAPOR HOLDING TANK, 34'-2" DIA. X 34'-1" H., WITH A 34'-0" DIA. INTERNAL FLEXIBLE DIAPHRAGM.
3. SATURATOR COLUMN, 3'-6" DIA. X 14'-7" H.
4. ABSORBER COLUMN, 2'-6" DIA. X 22'-7" H.
5. AIR STRIPPER COLUMN, 2'-0" DIA. X 13'-5.5" H.
6. ABOVE GROUND CONDENSATE TANK, 10,000 GALLONS CAPACITY.
7. INTER-STAGE COOLER, 10" DIA. X 7'-1" L.
8. VAPOR COMPRESSOR, TWO-STAGE RECIPROCATING, 75-H.P.
9. HIGH PRESSURE GASOLINE PUMP, RECIPROCATING WITH PACKING GLANDS, 20-H.P.
10. SATURATOR FEED PUMP, CENTRIFUGAL WITH MECHANICAL SEAL, 5-H.P.
11. KNOCKOUT DRAINAGE PUMP, CENTRIFUGAL, WITH MECHANICAL SEAL, 1-1/2 H.P.

SERVING STORAGE TANKS NOS. 471 AND 476, THE BULK LOADING FACILITY, AND SLOP TANKS NOS. 1 AND 5 OF THE WASTEWATER SYSTEM.

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) ORGANIC LIQUID LOADING, TRANSFER, AND TANK FILLING OPERATIONS SHALL BE MANAGED SUCH THAT THE COMPRESSOR AND/OR VAPOR SPHERE CAPACITIES ARE NOT EXCEEDED AND THE VAPOR SPHERE IS PREVENTED FROM VENTING TO ATMOSPHERE AT ANY TIME.
[RULE 1303(a)(1)BACT, RULE 462, RULE 463, 40CFR60 SUBPART XX]

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- 4) THE INTERLOCK SYSTEM PROVIDED TO PREVENT ORGANIC LOADING, TRANSFER, OR TANK FILLING OPERATIONS WHEN THE EFFECTIVE TOTAL CAPACITIES OF THE COMPRESSOR AND/OR VAPOR SPHERE ARE EXCEEDED SHALL BE MAINTAINED IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204, RULE 1303(a)(1) BACT]
- 5) THE VAPOR RECOVERY SYSTEM SHALL BE IN FULL OPERATION WHENEVER ANY LOADING RACK IS OPERATING, OR WHEN TANKS 471 AND/OR 476 IS BEING LOADED.
[RULE 462, RULE 463, RULE 1303(a)(1) BACT]
- 6) ONLY ONE VENT GAS COMPRESSOR SHALL BE OPERATED AT ANY GIVEN TIME.
[RULE 1303(a)(1) BACT]
- 7) THE TOTAL FLOW RATE OF HYDROCARBON VAPORS AT THE INLET TO THE THERMAL OXIDIZER SHALL NOT EXCEED 300 SCFM. A MEASURING DEVICE OR INDICATOR SHALL BE INSTALLED TO VERIFY COMPLIANCE WITH THIS CONDITION.
[RULE 1303(b)(2) OFFSETS]
- 8) ALL TEMPERATURE RECORDER AND FUEL USAGE RECORDS SHALL BE KEPT AND SHALL BE MADE AVAILABLE TO AUTHORIZED DISTRICT PERSONNEL UPON REQUEST.
[RULE 204, RULE 1303(a)(1) BACT]
- 9) AN ALARM SYSTEM SHALL BE MAINTAINED TO PREVENT VISIBLE EMISSION VIOLATIONS DURING EMERGENCY SHUTDOWN OR FAILURE OF THE OXIDIZER.
[RULE 204, RULE 401]
- 10) ALL ABSORBER OUTLET VAPORS FROM THE RHEEM-SUPERIOR RECOVERY UNIT SHALL BE DIRECTED TO THE THERMAL OXIDIZER THAT IS IN FULL OPERATION.
[RULE 1303(a)(1) BACT]
- 11) THE VAPOR RECOVERY SYSTEM SHALL HAVE A CONTROL EFFICIENCY OF AT LEAST 95%
[RULE 463]

Periodic Monitoring:

- 12) THE OPERATOR SHALL OPERATE AND MAINTAIN THIS EQUIPMENT ACCORDING TO THE FOLLOWING REQUIREMENTS:

A TEMPERATURE OF NOT LESS THAN 900 DEGREES FAHRENHEIT AND 0.3 SECOND GAS RESIDENCE TIME SHALL BE MAINTAINED IN THE COMBUSTION CHAMBER WHEN THE THERMAL OXIDIZER IS OPERATING.

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THE OPERATOR SHALL OPERATE AND MAINTAIN A TEMPERATURE MEASURING AND RECORDING SYSTEM TO CONTINUOUSLY MEASURE AND RECORD THE COMBUSTION CHAMBER TEMPERATURE PURSUANT TO THE OPERATION AND MAINTENANCE REQUIREMENTS SPECIFIED IN 40 CFR PART 64.7. SUCH A SYSTEM SHALL HAVE AN ACCURACY OF WITHIN 1% OF THE TEMPERATURE BEING MONITORED AND SHALL BE INSPECTED, MAINTAINED, AND CALIBRATED ON AN ANNUAL BASIS IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS USING AN APPLICABLE AQMD OR EPA APPROVED METHOD.

FOR THE PURPOSE OF THIS CONDITION, A DEVIATION SHALL BE DEFINED AS WHEN A COMBUSTION CHAMBER TEMPERATURE OF LESS THAN 900 DEGREES FAHRENHEIT OCCURS DURING NORMAL OPERATION OF THE EQUIPMENT IT SERVES. THE OPERATOR SHALL REVIEW THE RECORDS OF THE COMBUSTION CHAMBER TEMPERATURE ON A DAILY BASIS TO DETERMINE IF DEVIATION OCCURS OR SHALL INSTALL AN ALARM SYSTEM TO ALERT THE OPERATOR WHEN A DEVIATION OCCURS.

WHENEVER A DEVIATION OCCURS, THE OPERATOR SHALL INSPECT THIS EQUIPMENT TO IDENTIFY THE CAUSE OF SUCH A DEVIATION, TAKE IMMEDIATE CORRECTIVE ACTION TO MAINTAIN THE COMBUSTION CHAMBER TEMPERATURE AT OR ABOVE 900 DEGREES FAHRENHEIT, AND KEEP RECORDS OF THE DURATION AND CAUSE (INCLUDING UNKNOWN CAUSE, IF APPLICABLE) OF THE DEVIATION AND THE CORRECTIVE ACTION TAKEN.

ALL DEVIATIONS SHALL BE REPORTED TO THE AQMD ON A SEMI-ANNUAL BASIS PURSUANT TO THE REQUIREMENTS SPECIFIED IN 40 CFR PART 64.9 AND CONDITIONS NOS. 22 AND 23 OF SECTION K OF THIS PERMIT. THE SEMI-ANNUAL MONITORING REPORT SHALL INCLUDE THE TOTAL OPERATING TIME OF THIS EQUIPMENT AND THE TOTAL ACCUMULATED DURATION OF ALL DEVIATIONS FOR EACH SEMI-ANNUAL REPORTING PERIOD SPECIFIED IN CONDITION NO. 23 IN SECTION K OF THIS PERMIT.

THE OPERATOR SHALL SUBMIT AN APPLICATION WITH A QUALITY IMPROVEMENT PLAN (QIP) IN ACCORDANCE WITH 40 CFR PART 64.8 TO THE AQMD IF AN ACCUMULATION OF DEVIATIONS EXCEEDS 5 PERCENT DURATION OF THIS EQUIPMENT'S TOTAL OPERATING TIME FOR ANY SEMI-ANNUAL REPORTING PERIOD SPECIFIED IN CONDITION NO. 23 IN SECTION K OF THIS PERMIT. THE REQUIRED QIP SHALL BE SUBMITTED TO THE AQMD WITHIN 90 CALENDAR DAYS AFTER THE DUE DATE FOR THE SEMI-ANNUAL MONITORING REPORT.

THE OPERATOR SHALL INSPECT AND MAINTAIN ALL COMPONENTS OF THIS EQUIPMENT ON AN ANNUAL BASIS IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

THE OPERATOR SHALL KEEP ADEQUATE RECORDS IN A FORMAT THAT IS ACCEPTABLE TO THE AQMD TO DEMONSTRATE COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS SPECIFIED IN THIS CONDITION AND 40CFR PART 64.9 FOR A MINIMUM OF FIVE YEARS.
[RULE 1303(a)(1) BACT, 3004(a)(4) PERIODIC MONITORING, 40CFR PART 64]

- 13) A TEMPERATURE PROBE OR THERMOCOUPLE TO MEASURE COMBUSTION GAS TEMPERATURE IN THE OXIDIZER SHALL BE MAINTAINED AT 11 FEET ELEVATION ABOVE GROUND LEVEL.
[RULE 1303(a)(1) BACT]

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- 14) THE OPERATOR SHALL MONITOR LEAKS OF THE VAPOR RECOVERY SYSTEM IN ACCORDANCE WITH RULE 1173.
[RULE 463, RULE 3004(a)(4) PERIODIC MONITORING]
- 15) THE OPERATOR SHALL CONDUCT A SOURCE TEST THAT MEASURES THE VOC CONCENTRATION AT THE INLET AND OUTLET OF THE VAPOR RECOVERY SYSTEM TO DETERMINE THE OVERALL CONTROL EFFICIENCY. THE TEST SHALL BE CONDUCTED EVERY 3 YEARS.
[RULE 463, RULE 3004(a)(4) PERIODIC MONITORING]

Emissions and Requirements:

- 16) THIS EQUIPMENT SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
- | | |
|----------|---|
| PM: | RULE 404 (SEE APPENDIX B FOR EMISSION LIMITS) |
| CO: | 2000 PPMV, RULE 409 |
| VOC: | 0.06 LB/1000 GALLONS ORGANIC LIQUID LOADED, RULE 1303(b)(2)-OFFSETS |
| VOC: | 0.08 LB/1000 GALLONS ORGANIC LIQUID LOADED, RULE 462 |
| VOC/TOC: | 35 MILLIGRAMS/LITER OF GASOLINE LOADED, 40CFR60 SUBPART XX |

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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
495388	3003
504310	463
542375	462

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.

DRAFT

Rule 463 Inspection and Maintenance Plan Approval

Facility ID : 800302 - Company Name : Chevron USA - Huntington Beach Terminal

LEGAL OWNER OR OPERATOR Chevron USA - Huntington Beach Terminal
FACILITY LOCATION 17881 Gothard Street, Huntington Beach, CA 92647
MAILING ADDRESS Same

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

Floating Roof Tanks as listed on page 1 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.

**RULE 462 CONTINUOUS MONITORING SYSTEM (CMS) COMPLIANCE PLAN
FACILITY ID 800302 –CHEVRON USA – HUNTINGTON BEACH TERMINAL**

CONTINUOUS MONITORING SYSTEM (CMS) EQUIPMENT

CONTINUOUS MONITORING SYSTEM (CMS) CONSISTING OF A THERMOCOUPLE, TYPE K, AND A YOKOGAWA DAQSTATION DX100 SERIES (OR EQUIVALENT) DIGITAL RECORDER SERVING A MC GILL VAPOR COMBUSTOR, 30 MMBTU/HR.

CONDITIONS:

1. The operator shall conduct the operation of this CMS in compliance with all data and specifications submitted with the plan application under which this approval is granted, unless otherwise noted below.
2. The thermocouple shall be located at a position not less than 11 feet above ground and within the exhaust stack of the thermal oxidizer to accurately measure the temperature of the exhaust gas.
3. The operator shall calibrate the thermocouple/chart recorder once a year, in accordance with the manufacturer's specifications, such that the overall accuracy is within +/- 1% of the actual value or +/- 2.2 degrees Celsius, whichever is greater.
4. The CMS shall provide and the data recorder shall retain the instantaneous exhaust gas temperature.
5. The operator shall maintain a display of the exhaust gas temperature in a location accessible to District personnel.
6. The operator shall ensure that the CMS is properly maintained and kept in good operating condition at all times and that it meets any applicable requirements of 40 CFR 63.427. The applicability of 40 CFR 63.427 is pursuant to AQMD rule 462(f)(2) and does not necessarily imply that the facility is a major source of Hazardous Air Pollutants (HAPs).
7. The operator shall ensure that the CMS is properly maintained and kept in good operating condition at all times and that it meets applicable requirements of 40 CFR 63.
8. The operator shall maintain the recording device in proper operation at all times such that it is accurately synchronized with the correct time of day.
9. The recording device shall archive data in a secure encrypted format to nonvolatile data storage. Instantaneous readings shall be recorded at a frequency of not less than once per minute. The recorder/software shall be capable of displaying and printing out plots of the exhaust gas temperature within 3 hours of a request. Where external storage media is used, it shall be replaced at a sufficient frequency to ensure that the amount of stored data is at no more than 90% of the storage capacity of the media.

**RULE 462 CONTINUOUS MONITORING SYSTEM (CMS) COMPLIANCE PLAN
FACILITY ID 800302 –CHEVRON USA – HUNTINGTON BEACH TERMINAL**

10. The operator shall notify the executive officer, within 24 hours, in the event of a CMS or recorder failure or shutdown for repair, which exceeds one hour. The notification shall include the cause and time of the failure, the time the recorder returned to operation, maintenance or corrective work performed and actions taken to prevent such failures in the future. The CMS or recorder shall be restored to normal operation within 96 hours of the failure.
11. The operator shall keep records on site to show compliance with conditions required by this plan. Such records shall be kept for at least five years and made available to District personnel upon request.