



## FACILITY PERMIT TO OPERATE CHEVRON PRODUCTS COMPANY

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE  
The operator shall comply with the terms and conditions set forth below:

Description	ID No.	Connect To	RECLAIM Source Type	Emissions and Requirements	Conditions
<b>Process 1: CRUDE DISTILLATION</b>					P13.1
<b>System 3: NO. 2 CRUDE UNIT (ATMOSPHERIC DISTILLATION)</b>					S7.4, S13.2, S15.7, S15.9, S15.10, S31.20
ACCUMULATOR, V-302, ATMOSPHERIC COLUMN OVERHEAD REFLUX DRUM, LENGTH: 32 FT; DIAMETER: 11 FT A/N: 530643	D11				
DRUM, HOLDING, DEGASSING, V-355, P. H. CONDENSATE, HEIGHT: 15 FT; DIAMETER: 6 FT 6 IN A/N: 530643	D15				K171.15
COLUMN, ATMOSPHERIC, C-301, WITH NEW OVERHEAD VAPOR AIR-COOLED EXCHANGERS, HEIGHT: 141 FT 8 IN; DIAMETER: 21 FT 6 IN A/N: 530643	D3195				K171.15
COLUMN, NO. 1 SIDECUT STRIPPER, C-302, HEIGHT: 31 FT 7 IN; DIAMETER: 5 FT 6 IN A/N: 530643	D3196				
COLUMN, NO. 2 SIDECUT STRIPPER, C-303, HEIGHT: 33 FT 7 IN; DIAMETER: 7 FT 6 IN A/N: 530643	D3197				
COLUMN, NO. 3 SIDECUT STRIPPER, C-304, HEIGHT: 22 FT 7 IN; DIAMETER: 7 FT 6 IN A/N: 530643	D3198				
COLUMN, STABILIZER, C-308, HEIGHT: 80 FT 3 IN; DIAMETER: 6 FT 6 IN A/N: 530643	D3199				K171.15
COLUMN, PREFRACTIONATOR, C-351, HEIGHT: 78 FT; DIAMETER: 11 FT A/N: 530643	D3200				K171.15
VESSEL, DESALTER, PETRECO, V-319A, HEIGHT: 80 FT; DIAMETER: 12 FT A/N: 530643	D3235				
VESSEL, DESALTER, PETRECO, V-319B, HEIGHT: 80 FT; DIAMETER: 12 FT A/N: 530643	D3236				
TANK, V-352, DEMULSIFYING CHEMICAL, LENGTH: 6 FT DIAMETER: 2 FT 6 IN A/N: 530643	D3237				
ACCUMULATOR, V-306, STABILIZER OVERHEAD REFLUX DRUM, LENGTH: 14 FT 1.5 IN T/T,	D4221				



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DIAMETER: 4 FT 3 IN A/N: 530643					
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 530643	D3576			HAP: (10) [40CFR 63 Subpart CC, #5A, 5-25-2001]	H23.47

Description	ID No.	Connect To	RECLAIM Source Type	Emissions and Requirements	Conditions
<b>Process 1: CRUDE DISTILLATION</b>					P13.1
<b>System 13: NO. 2 RESID STRIPPER</b>					S7.4, S13.2, S15.7, S15.9, S15.10, S46.2
VESSEL, BLOWDOWN DRUM, V-203, LENGTH: 8 FT 9 IN; DIAMETER: 2 FT A/N: 530644	D108				
VESSEL, V-206, STEAM/AIR DECOKING, HEIGHT: 7 FT; DIAMETER: 4 FT A/N: 530644	D111				
EJECTOR, SECONDARY, G-218A/B A/N: 530644	D3702				H23. 21
EJECTOR, TERTIARY, G-219A/B A/N: 530644	D3703				H23. 21
COLUMN, VACUUM FRACTIONATING, C-201, HEIGHT: 91 FT; DIAMETER: 21 FT A/N: 530644	D3963				K171.15
DRUM, SEAL, V-210, LENGTH: 10 FT T/T; DIAMETER: 6 FT A/N: 530644	D4219				
EJECTOR, PRIMARY, G-217 A/N: 530644	D4220				H23. 21
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 530644	D4368				H23.47

Description	ID No.	Connect To	RECLAIM Source Type	Emissions and Requirements	Conditions
<b>Process 12: TREATING AND STRIPPING UNIT</b>					
<b>System 18: MEROX PLANT</b>					S7.4, S13.2, S15.7, S46.2
REACTOR, MEROX, R-410, HEIGHT: 24 FT ; DIAMETER: 9 FT A/N: 530645	D881				K171.15
KNOCKOUT DRUM, V-410,	D882				K171.15



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Description	ID No.	Connect To	RECLAIM Source Type	Emissions and Requirements	Conditions
ELECTROSTATIC, HEIGHT: 16 FT ; DIAMETER: 6 FT 6 IN A/N: 530645					
SETTLING TANK, V-440, SPENT CAUSTIC, HEIGHT: 24 FT; DIAMETER: 10 FT A/N: 530645	D883	C884			K171.15
REGENERATIVE CARBON ADSORBER, V-441/V-442, TWO (2) PARALLEL UNITS (ONE SPARE), STEAM DESORPTION, WITH EMERGENCY VENT TO ATMOSPHERE, HEIGHT: 5 FT 6 IN; DIAMETER: 3 FT A/N: 530645	C884	D883			D90.21, E153.1, E336.18
DRUM, DISSOLVING, V-412, MEROX CATALYST, HEIGHT: 3 FT; DIAMETER: 2 FT 6 IN A/N: 530645	D3451				
SETTLING TANK, V-420, CAUSTIC, LENGTH: 30 FT 2 IN; DIAMETER: 8 FT A/N: 530645	D3452				
DRUM, WATER WASH, V-430, HEIGHT: 20 FT ; DIAMETER: 7 FT A/N: 530645	D3453				K171.15
DRUM, MIX, V-470, INHIBITOR, HEIGHT: 6 FT ; DIAMETER: 2 FT 6 IN A/N: 530645	D3454				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 530645	D3651			HAP: (10) [40CFR 63 Subpart CC, #5A, 6-23-2003]	H23. 3

Description	ID No.	Connect To	RECLAIM Source Type	Emissions and Requirements	Conditions
<b>Process 20: AIR POLLUTION CONTROL</b>					
<b>System 7: LSFO EMERGENCY RELIEF SYSTEM (FLARE)</b>					S7.4, S13.2, S18.7, S31.20
FLARE, ELEVATED WITH STEAM INJECTION, F-2500, HEIGHT: 175 FT; DIAMETER: 3 FT 6 IN A/N: 530646	C1757				B61.11, D12.14, D323.2, H23.46, H23.49
DRUM, V-1198, CRUDE UNIT RELIEF, WITH STEAM COIL, LENGTH: 20 FT; DIAMETER: 11 FT 6 IN A/N: 530646	D1759				



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Description	ID No.	Connect To	RECLAIM Source Type	Emissions and Requirements	Conditions
DRUM, V-1290, NAPHTHA HYDROTREATER RELIEF, WITH STEAM COIL, T/T LENGTH: 23 FT; DIAMETER: 10 FT A/N: 530646	D1760				
DRUM, V-1591, VRDS RELIEF, WITH STEAM COIL, LENGTH: 32 FT; DIAMETER: 10 FT 6 IN A/N: 530646	D1761				
DRUM, V-1691, VGO RELIEF, WITH STEAM COIL, LENGTH: 30 FT; DIAMETER: 10 FT 6 IN A/N: 530646	D1762				
DRUM, V-1890, HYDROGEN PLT, H2S RECOVERY, H2 BOOSTER COMPR & PENTANE PLUS PLT RELIEF, WITH STEAM COIL, LENGTH: 21 FT; DIAMETER: 6 FT 6 IN A/N: 530646	D1763				
VESSEL, SEPARATOR, DEGASSER, V-1175, HEIGHT: 19 FT; DIAMETER: 7 FT 1 IN A/N: 530646	D1767				
KNOCK OUT POT, LPG, V-2, WITH EMERGENCY PRV VENTED TO ATMOS., HEIGHT: 8 FT; DIAMETER: 4 FT A/N: 530646	D1824				
ACCUMULATOR, V-203, COKER LINE LIQUID, HEIGHT: 12 FT; DIAMETER: 4 FT A/N: 530646	D2218				
KNOCK OUT POT, DIB/COGEN/LPG RELIEF, V-217, LENGTH: 20 FT; DIAMETER: 10 FT A/N: 530646	D2219				
KNOCK OUT POT, NHT NO. 3, V-1098, LENGTH: 20 FT; DIAMETER: 10 FT A/N: 530646	D2220				E336.1
VESSEL, SEPARATOR, V-2502, PROCESS GAS, HEIGHT: 4 FT 7 IN; DIAMETER: 1 FT 8 IN A/N: 530646	D3028				
KNOCK OUT POT, V-2500, LENGTH IS TANGENT TO TANGENT, WITH STEAM COIL, LENGTH: 25 FT; DIAMETER: 12 FT A/N: 530646	D3840				



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Description	ID No.	Connect To	RECLAIM Source Type	Emissions and Requirements	Conditions
KNOCK OUT POT, NO. 2 CU/NO. 2 RS, MINALK/K-450 RELIEF, V-398, T/T LENGTH: 30 FT; DIAMETER: 10 FT A/N: 530646	D4387				K171.15
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 530646	D3678			HAP: (10) [40CFR 63 Subpart CC, #5A, 5-25-2001]	H23.3

Description	ID No.	Connect To	RECLAIM Source Type	Emissions and Requirements	Conditions
<b>Process 20: AIR POLLUTION CONTROL</b>					
<b>System 10: REFINERY BLOWDOWN GAS RECOVERY SYSTEM</b>					S7.4, S13.2, S15.5, S15.9, S18.12, S46.2
KNOCK OUT POT, V-2010, RESID STRIPPER, LENGTH: 10 FT; DIAMETER: 7 FT 1 IN A/N: 530647	D1772				
COMPRESSOR, ELECTRIC DRIVEN, K-2006, TWO-STAGE, RECIPROCATING, 4 MMSCFD, DUAL PACKING RINGS WITH NITROGEN PURGE GAS VENTED TO A FUEL GAS SYSTEM A/N: 530647	D4211				E73.8, H23.47
COMPRESSOR, ELECTRIC DRIVEN, K-2007, TWO-STAGE, RECIPROCATING, 4 MMSCFD, DUAL PACKING RINGS WITH NITROGEN PURGE GAS VENTED TO A FUEL GAS SYSTEM A/N: 530647	D4212				E73.8, H23.47
COMPRESSOR, ELECTRIC DRIVEN, K-2008, TWO-STAGE, RECIPROCATING, 4 MMSCFD, DUAL PACKING RINGS WITH NITROGEN PURGE GAS VENTED TO A FUEL GAS SYSTEM A/N: 530647	D4213				E73.8, H23.47
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 530647	D3679			HAP: (10) [40CFR 63 Subpart CC, #5A, 5-25-2001]	H23.19

Description	ID No.	Connect To	RECLAIM Source Type	Emissions and Requirements	Conditions
<b>Process 20: AIR POLLUTION CONTROL</b>					
<b>System 19: WASTE GAS COMPRESSOR STATION</b>					S7.4, S13.2, S15.7, S15.24, S18.23, S46.2



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Description	ID No.	Connect To	RECLAIM Source Type	Emissions and Requirements	Conditions
COMPRESSOR, K-450A, PACKED SEALS, MOTOR DRIVE A/N: 530648	D3489				E73.10, K67.73
COMPRESSOR, K-450B, PACKED SEALS, MOTOR DRIVE A/N: 530648	D3566				E73.10, K67.73
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 530648	D3685				H23. 3, K171.15

**PROCESS CONDITIONS:**

**P13.1** All devices under this process are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
Benzene	40CFR61,	SUBPART FF

**[40CFR 61 Subpart FF, 12-4-2003]**

[Processes subject to this condition: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 16]

**SYSTEM CONDITIONS:**

**S7.4** The following conditions shall apply to all refinery operation and related devices from this system:

The operator shall comply with all applicable mitigation measures stipulated in the "Statement of Findings, Statement of Overriding Considerations, and Mitigation Monitoring Plan" document which is part of the SCAQMD Certified Final Environmental Impact Report dated 09-May-2008 for this facility.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with the applicable measures stipulated in the "Statement of Findings, Statement of Overriding Considerations, and Mitigation Monitoring Plan" document.

[CA PRC CEQA, 11-23-1970]

[Systems subject to this condition: Process 1 System 3, 13, Process 3, System 1; Process 7, System 4; Process 12, System 18, 28; Process 13, System 10, 11, 12, 13; Process 17, System 7, 8; Process 20, System 4, 7, 10, 19, 31]

**S13.2** All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1123



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

**[RULE 1123, 12-7-1990]**

[Systems subject to this condition : Process 1, System 3, 5, 13, 17; Process 2, System 1, 5, 6; Process 3, System 1, 5; Process 4, System 1, 3, 5, 7, 9, 11, 13; Process 5, System 1; Process 6, System 1, 3, 4; Process 7, System 2, 4, 7; Process 8, System 1, 2, 5, 7, 8, 10; Process 9, System 1, 2; Process 10, System 1, 4; Process 12, System 2, 4, 7, 9, 10, 11, 12, 13, 16, 17, 18, 22, 26, 27, 28; Process 20, System 3, 4, 7, 10, 12, 14, 19, 23; Process 21, System 13, 14, 16, 18, 22]

**S15.5** The vent gases from all affected devices of this process/system shall be vented as follows:

All emergency vent gases from the vapor recovery system shall be directed to the flare system.

This process/system shall not be operated unless the flare(s) is in full use and has a valid permit to receive vent gases from this system.

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

[Systems subject to this condition: Process 2, System 5; Process 8, System 9; Process 20, System 4, 10, 28, 29, 30, 34, 37]

**S15.7** The vent gases from all affected devices of this process/system shall be vented as follows:

All emergency vent gases shall be directed to the vapor recovery system and/or flare system, except Device IDs D3574, D3371, D3373, D591, D595, D597, D3372, D592, D598 & D602 (Process 6, System 4), C884 (Process 12, System 18) that vent to the atmosphere.

This process/system shall not be operated unless the vapor recovery system(s) and/or flare(s) is in full use and has a valid permit to receive vent gases from this system.

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

[Systems subject to this condition : Process 1, System 3, 5, 13, 17; Process 2, System 1; Process 3, System 1, 5; Process 4, System 1, 3, 5, 7, 9, 11, 13; Process 5, System 1; Process 6, System 4; Process 7, System 4, 7; Process 8, System 1, 2, 5, 7, 8, 10; Process 9, System 1, 2; Process 10, System 1; Process 12, System 2, 7, 9, 11, 13, 17, 18, 22, 23, 25, 26, 27; Process 20, System 19; Process 21, System 18]

**S15.9** The vent gases from all affected devices of this process/system shall be vented as follows:

All sour gases shall be directed to the sour gas treating unit(s).

This process/system shall not be operated unless the vapor recovery system(s) and/or flare(s) is in full use and has a valid permit to receive vent gases from this system.

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

[Systems subject to this condition: Process 1, System 3, 5, 13; Process 2, System 1; Process 3, System 1; Process 4, System 1, 3, 7, 9, 11, 13; Process 7, System 4; Process 8, System 1, 5; Process 10, System 1; Process 12, System 7; Process 20, System 4, 10, 28, 29, 30, 37]



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

**S15.10** The vent gases from all affected devices of this process/system shall be vented as follows:

All vent gases under normal operating conditions shall be directed to the vapor recovery system.

This process/system shall not be operated unless the vapor recovery system(s) is in full use and has a valid permit to receive vent gases from this system.

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

[Systems subject to this condition : Process 1, System 3, 5, 13, 17; Process 2, System 1; Process 3, System 1, 5; Process 4, System 1, 3, 5, 7, 9, 1, 13; Process 5, System 1; Process 6, System 4; Process 7, System 4, 7; Process 8, System 1, 2, 5, 7, 8, 10; Process 9, System 1, 2; Process 10, System 1; Process 12, System 2, 7, 9, 11, 13, 17, 22, 23, 25, 26, 27; Process 21, System 18]

**S15.24** The vent gases from all affected devices of this process/system shall be vented as follows:

All waste gases recovered by the vapor recovery system [consisting of all the compressors in Process 20, System 19 (D3489 and D3566) operated independently or concurrently] shall be directed to a gas treating system.

This process/system shall not be operated unless the gas treating system is in full use and has a valid permit to receive vent gases from this system.

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

[Systems subject to this condition: Process 20, System 19]

**S18.7** All affected devices listed under this process/system shall be used only to receive, recover and/or dispose of vent gases routed from the system(s) or process(es) listed below, in addition to specific devices identified in the "connected to" column:

Crude Distillation (Process: 1, System: 3, 5 & 13)

Delayed Coking (Process: 2, System: 1 & 5)

FCCU (Process: 3, System: 1 & 5)

Hydrotreating (Process: 4, System: 1, 7, 9, 11 & 13)

Hydrogen Generation (Process: 6, System: 4)

Alkylation (Process: 8, System: 1, 2, 5, 7, 8, 9 & 10)

Oxygenates Production (Process: 9, System: 2)

LPG Production (Process: 10, System: 1 & 2)

Treating & Stripping (Process: 12, System: 2, 7, 9, 11, 13, 17, 18, 23, 25, 26, 27 & 28)

Sulfur Production (Process 13, System 10, 11)

Air Pollution Control (Process: 20, System: 10, 19 & 34)

Miscellaneous (Process: 21, System: 13 & 18)

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



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

[Systems subject to this condition: Process 20, System 3, 7, 23]

**S18.12** All affected devices listed under this process/system shall be used only to receive, recover and/or dispose of vent gases routed from the system(s) or process(es) listed below, in addition to specific devices identified in the "connected to" column:

Crude Distillation (Process: 1, System: 3, 5 & 13)

Coking & Residual Conditioning (Process: 2, System: 1)

Hydrotreating (Process: 4, System: 1, 9, 11 & 13)

Hydrogen Generation (Process: 6, System: 4)

Alkylation (Process: 8, System: 2, 5 & 7)

Coker Depropanizer (Process: 10, System: 1)

Treating and Stripping (Process: 12, System: 18, 26, 27, 28)

Sulfur Production (Process 13, System 10, 11)

Air Pollution Control (Process: 20, System: 19)

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

[Systems subject to this condition: Process 2, System 5; Process 20, System 10]

**S18.23** All affected devices listed under this process/system shall be used only to receive, recover and/or dispose of vent gases routed from the system(s) or process(es) listed below, in addition to specific devices identified in the "connected to" column:

Crude Distillation (Process: 1, System: 3 & 13)

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

[Systems subject to this condition: Process 20, System 19]

**S31.20** The following BACT requirements shall apply to VOC service fugitive components associated with the devices that are covered by application number(s) 466149, 466876, 467141, 467544, 470739, 470782, 526607, 530643 and 530646:

All sampling connections shall be closed-purge, closed loop, or closed-vent systems.

All new valves in VOC service shall be leakless type, except those specifically exempted by Rule 1173 or approved by the District in the following applications: heavy liquid service, control valves, instrument piping/tubing, applications requiring torsional valve stem motion, applications where valve failure could pose safety hazard (e.g., drain valves with valve stems in horizontal position), retrofits/special applications with space limitations, and valves not commercially available.

For the purpose of this condition, leakless valve shall be defined as any valve equipped with sealed bellows or equivalent approved in writing by the District prior to installation.

All new components in VOC service as defined by Rule 1173, except valves and flanges shall be inspected quarterly using EPA Reference Method 21. All new valves and flanges



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in VOC service except those specifically exempted by Rule 1173 shall be inspected monthly using EPA Method 21. Components shall be defined as any valve, flange, fitting, pump, compressor, pressure relief device, diaphragm, hatch, sight-glass, and meter, which are not exempted by Rule 1173.

The following leaks shall be repaired within 7 calendar days -- all light liquid/gas/vapor components leaking at a rate of 500 to 10,000 ppm, heavy liquid components leaking at a rate of 100 to 500 ppm and greater than 3 drops/minute, unless otherwise extended as allowed under Rule 1173.

The following leaks shall be repaired within 2 calendar days -- any leak between 10,000 to 25,000 ppm, any atmospheric PRD leaking at a rate of 200 to 25,000 ppm, unless otherwise extended as allowed under Rule 1173.

The following leaks shall be repaired within 1 calendar day -- any leak greater than 25,000 ppm, heavy liquid leak greater than 500 ppm, or light liquid leak greater than 3 drops per minute.

If 98.0 percent or greater of the new valve and the new flange population inspected is found to leak gaseous or liquid volatile organic compounds at a rate less than 500 ppmv for two consecutive months, then the operator may revert to a quarterly inspection program with the approval of the Executive Officer. This condition shall not apply to leakless valves.

The operator shall revert from quarterly to monthly inspection program if less than 98.0 percent of the new valves and the new flange population inspected are found to leak gaseous or liquid volatile organic compounds at a rate less than 500 ppmv. This condition shall not apply to leakless valves.

The operator shall keep records of the monthly inspection (quarterly where applicable), subsequent repair, and reinspection, in a manner approved by the District.

The operator shall provide to the District, prior to initial startup, a list of all non-leakless type valves that were installed. The list shall include the tag numbers for the valves and reasons why leakless valves were not used. The operator shall not startup the equipment prior to the District's approval for the use of all non-leakless valves.

The operator shall provide to the District, no later than 90 days after initial startup, a recalculation of the fugitive emissions based on actual components installed and removed from service. The operator shall also submit a complete, as built, piping and instrumentation diagram(s) and copies of requisition data sheets or field inspection surveys for all non-leakless type valves with a listing of tag numbers and reasons why leakless valves were not used.

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

[Systems subject to this condition: Process 1, System 3; Process 12, System 28; Process 13, System 11; Process 16, System 10; Process 17, System 7; Process 20, System 7, 37]



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

**S46.2** The following conditions shall apply to VOC service fugitive components in this system:

The operator shall provide to the District, no later than 60 days after initial startup, a recalculation of the net fugitive emission increase and the total fugitive emissions for the permit unit based on actual components installed and removed from service under the permit to construct for application number(s): 530644, 530645, 530647 and 530648.

[**RULE 1301(b)(1), 12-7-1995**]

[Systems subject to this condition: Process 1, System 13; Process 12, System 18; Process 20, System 10, 19]

### DEVICE CONDITIONS:

**B61.11** The operator shall not use / combust vent gas containing the following specified compounds:

H<sub>2</sub>S greater than 160 ppm by volume

The H<sub>2</sub>S concentration limit shall be based on a rolling 3-hour averaging period.

The H<sub>2</sub>S concentration limit shall not apply to vent gas resulting from an emergency, shutdown, startup, process upset or relief valve leakage.

[**Rule 1118, 11-4-2005**]

[Devices subject to this condition: C1746, C1749, C1757, C1785, C3012, C4116]

**D12.14** The operator shall install and maintain a(n) thermocouple or any other equivalent device to accurately indicate the presence of a flame at the pilot light.

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

[**RULE 1303(a)(1)-BACT, 5-10-1996; 40CFR 60 Subpart A, 4-9-1993; 40CFR 63 Subpart A, 3-16-1994**]

[Devices subject to this condition: C1746, C1749, C1757, C1785, C3012]

**D90.21** The operator shall periodically monitor the hydrocarbon concentration at the outlet of the carbon canisters according to the following specifications:

The operator shall use a District approved Organic Vapor Analyzer (OVA) to monitor the parameter.

The operator shall monitor once every week using EPA Method 21.

The operator shall calibrate the instrument used to monitor the parameter in ppmv methane.

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

[Devices subject to this condition: C884]



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

**D323.2** 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 semi-annual basis, at least, unless the equipment did not operate during the entire semi-annual period. The routine semi-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 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, and either:

- 1). 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
- 2). 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:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions;
- 3). Date and time visible emission was abated; and
- 4). All visible emission observation records by operator or a certified smoke reader.

[**RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984**]

[Devices subject to this condition : C1746, C1749, C1757, C1785, C3012]

**E73.8** Notwithstanding the requirements of Section E conditions, the operator is not required to use all three Refinery Blowdown Gas Recovery System compressors concurrently if: The load on the Refinery Blowdown Gas Recovery System is not sufficient to require all compressors to be online.

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

[Devices subject to this condition: D4211, D4212, D4213]

**E73.10** Notwithstanding the requirements of Section E conditions, the operator may, at his discretion, choose not to use all the compressors in Process 20, System 19 (D3489 and D3566) simultaneously if:

The unit(s) being operated has (have) sufficient capacity to recover all process waste gases under normal operating conditions. Under this condition, no waste gas shall bypass the said compressor(s) during operation.

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

[Devices subject to this condition: D3489, D3566]



**FACILITY PERMIT TO OPERATE  
CHEVRON PRODUCTS COMPANY**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE  
The operator shall comply with the terms and conditions set forth below:

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

For the purpose of this condition, breakthrough occurs when the hydrocarbon monitor reading indicates a concentration of 500 ppmv at the outlet of the carbon canister unless control efficiency of VOC is 95 percent or over. Control efficiency shall be calculated as  $[1 - (\text{exit concentration}/\text{inlet concentration})] \times 100$ .

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

[Devices subject to this condition: C884]

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

All vent gases under normal operating conditions shall be directed to the coker blowdown system (Process 2, System 5) or/and refinery blowdown system (Process 20, System 10).

This equipment shall not be operated unless the above blowdown system(s) is in full use and has a valid permit to receive vent gases from this equipment.

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

[Devices subject to this condition: D2220]

**E336.18** The operator shall vent the vent gases from this equipment as follows:

All vent gases from steam desorption of a carbon adsorber shall be directed to the Refinery Blowdown Gas Recovery System (Process 20, System 10).

This equipment shall not be operated unless the vapor recovery system is in full use and has a valid permit to receive vent gases from this equipment.

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

[Devices subject to this condition: C884]

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

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1173

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

[Devices subject to this condition : D3588, D3610, D3631, D3635, D3640, D3642, D3644, D3645, D3646, D3651, D3654, D3655, D3656, D3657, D3659, D3660, D3663, D3678, D3681, D3685, D3688, D3691, D3692, D3694, D4086, D4087, D4088, D4310, D4352, D4359, D4368]



## FACILITY PERMIT TO OPERATE CHEVRON PRODUCTS COMPANY

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE  
The operator shall comply with the terms and conditions set forth below:

**H23.19** This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1173
VOC	40 CFR 60	Subpart GGG

[**RULE 1173, 5-13-1994**; RULE 1173, 2-6-2009; **40CFR 60 Subpart GGG, 6-7-1985**]

[Devices subject to this condition : D196, D633, D1047, D1048, D1049, D1054, D1929, D1930, D1981, D2042, D3577, D3579, D3580, D3581, D3185, D3613, D3634, D3637, D3638, D3639, D3675, D3676, D3679, D3686, D3803, D3921, D3969, D4085, D4107, D4302, D4304]

**H23.21** This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	465
Sulfur Compounds	District Rule	465

[**RULE 465, 8-13-1999**];

[Devices subject to this condition: D3183, D3184, D3185, D3186, D3238, D3239, D3240, D3241, D3242, D3243, D3702, D3703, D4091, D4220]

**H23.46** This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
SOx	40 CFR 60	1118

[**RULE 1118, 11-4-2005**]

[Devices subject to this condition: C1746, C1749, C1757, C1785, C3012, C4116]

**H23.47** This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1173
VOC	40 CFR 60	GGGa

[**RULE 1173, 5-13-1994**; RULE 1173, 2-6-2009; **40CFR 60 Subpart GGGa, 6-2-2008**]



**FACILITY PERMIT TO OPERATE  
CHEVRON PRODUCTS COMPANY**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE  
The operator shall comply with the terms and conditions set forth below:

[Devices subject to this condition: D3261, D3576, D4205, D4206, D4208, D4211, D4212, D4213, D4368]

**H23.49** This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
H2S	40 CFR 60	Subpart Ja

**[40CFR 60 Subpart Ja, 6-24-2008]**

[Devices subject to this condition: C1757, D4355]

**K67.73** The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Date and duration of events when there is flaring of vent gases greater than 5,000 standard cubic feet from this vapor recovery system or compressor(s).

Estimated total volume of vent gases combusted in the flare for each such event.

Brief description of the cause of the vent gas flaring for each such event per Rule 1118.

Identification of each of the compressor(s) not operating and reason why they are not online during each such event.

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

[Devices subject to this condition: D3489, D3566, D3762, D3766, D3770]

**K171.15** The operator shall provide to the District the following items:

Final drawings and/or specifications of the equipment installed/constructed shall be submitted to the SCAQMD within 60 days after its completion.

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

[Devices subject to this condition: D15, D881, D882, D883, D3195, D3199, D3200, D3453, D3685, D3963, D4106, D4354, D4355, D4356, D4357, D4358, D4359, C4360, C4361, D4362, D4387]