



**FACILITY PERMIT TO OPERATE
CHEVRON PRODUCTS CO.**

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

FACILITY PERMIT SECTION D			
PROCESS 16 STORAGE TANKS		SYSTEM 10 DOMED EXTERNAL FLOATING ROOF TANKS	
DESCRIPTION	DEVICE ID NO.	Emissions and Requirements	CONDITIONS
<p>STORAGE TANK, DOMED EXTERNAL FLOATING ROOF, NO. 871, WELDED SHELL, 15,600 11,462 BBL; DIAMETER: 50 FT; HEIGHT: 47 FT 11-IN, WITH TWO MIXERS, WITH</p> <p>DOME COVER, GEODESIC</p> <p>FLOATING ROOF, DOUBLE DECK</p> <p>PRIMARY SEAL, CATEGORY A, METALLIC SHOE</p> <p>SECONDARY SEAL, CATEGORY B OR BETTER, RIM MOUNTED</p> <p>GUIDEPOLE, SLOTTED, WITH</p> <p>GASKETED SLIDING COVER, POLE</p> <p>SLEEVE AND POLE WIPER</p> <p>A/N: 478032 499905</p>	D1406	<p>BENZENE: (10) [40 CFR 61 Subpart FF, 02- 12-2003]; HAP: (10) [40CFR 63 Subpart CC, #3A, 5-25-2001]</p>	<p>Process: P13.1</p> <p>System: S13.9, S31.15</p> <p>Device: C6.10, H23.1, K67.51, & K171.11</p>



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PROCESS 16 STORAGE TANKS		SYSTEM 10 DOMED EXTERNAL FLOATING ROOF TANKS	
DESCRIPTION	DEVICE ID NO.	Emissions and Requirements	CONDITIONS
STORAGE TANK, DOMED EXTERNAL FLOATING ROOF, NO. 492, WELDED SHELL, 184,008 BBL; DIAMETER: 150 FT; HEIGHT: 63 FT 7.25 IN, WITH AN AGITATOR, WITH DOME COVER, GEODESIC FLOATING ROOF, PONTOON PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY B OR BETTER, RIM MOUNTED GUIDEPOLE, UNSLOTTED SLOTTED WITH GASKETED SLIDING COVER, POLE SLEEVE , AND POLE WIPER A/N: 485091 501185	D1389	HAP: (10) [40CFR 63 Subpart CC, #3A, 5-25-2001]	Process: P13.1 System: S1.2, S13.9, S31.15, S31.20 (all existing) Device: C6.10, H23.10, K67.69 & K171.13 (all existing)



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PROCESS 16 STORAGE TANKS		SYSTEM 10 DOMED EXTERNAL FLOATING ROOF TANKS	
DESCRIPTION	DEVICE ID NO.	Emissions and Requirements	CONDITIONS
STORAGE TANK, DOMED EXTERNAL FLOATING ROOF, NO. 983, WELDED SHELL, 52,000 BBL; DIAMETER: 90 FT; HEIGHT: 47 FT 8 IN, WITH DOME COVER, GEODESIC FLOATING ROOF, PONTOON, WELDED PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY B, RIM MOUNTED GUIDEPOLE, UNSLOTTED UNSLOTTED SLOTTED WITH GASKETED SLIDING COVER, POLE SLEEVE AND POLE WIPER A/N: 436073 501186	D1428	HAP: (10) [40CFR 63 Subpart CC, #3A, 5-25-2001]	Process: P13.1 System: S1.2, S13.9, S31.15, S31.20 (all existing) Device: K67.54 (existing)

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]



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

SYSTEM CONDITIONS

S1.2

The operator shall limit the number of flaring events due to startups to no more than 2 event(s) in any one calendar year.

[RULE 1703 - PSD Analysis, 10-7-1988; CA PRC CEQA, 11-23-1970]

[Systems subject to this condition : Process 16, System 10; Process 20, System 36]

S13.9

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

Contaminant	Rule	Rule/Subpart
VOC	District Rule	463
VOC	District Rule	1149
VOC	District Rule	1178

For Rule 463 applicability, only subdivision (d) in the March 11, 1994 amendment, or equivalent requirements in the future amendments, shall apply to domed external floating roof tanks. This does not preclude any requirements specified in Rule 1178.

[RULE 1149, 7-14-1995; RULE 1178, 12-21-2001; RULE 463, 3-11-1994; RULE 463, 5-6-2005]

[Systems subject to this condition : Process 16, System 10]

S31.15

The following BACT requirements shall apply to VOC service fugitive components associated with the devices that are covered by application number(s) 378811, 380595, 380596, 380597, 380611, 385371, 385372, 385373, and 385374:

The operator shall provide to the District, no later than 60 days after initial startup, a recalculation of the fugitive emissions based on actual components installed and removed from service. The valves and flanges shall be categorized by size and service. The operator shall submit a listing of all new non-bellows seal valves which shall be categorized by tag no., size, type, operating temperature, operating pressure, body material, application, and reasons why bellows seal valves were not used.



**FACILITY PERMIT TO OPERATE
CHEVRON PRODUCTS CO.**

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

All new valves in VOC service, except those specifically exempted by Rule 1173, shall be bellows seal valves, except as approved by the District, in the following applications: heavy liquid service, control valve, 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.

All new valves and major components in VOC service as defined by Rule 1173, except those specifically exempted by Rule 1173 and those in heavy liquid service as defined in R1173, shall be distinctly identified from other components through their tag numbers (e.g., numbers ending in the letter "N"), and shall be noted in the records.

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

If 98.0 percent or greater of the new (non-bellows seal) valves 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 change to a quarterly inspection program with the approval of the District.

The operator shall revert from quarterly to monthly inspection program if less than 98.0 percent of the new (non-bellows seal) valves and the new flange population inspected is found to leak gaseous or liquid volatile organic compounds at a rate less than 500 ppmv.

All new components in VOC service with a leak greater than 500 ppmv but less than 1,000 ppmv, as methane, measured above background using EPA Method 21 shall be repaired within 14 days of detection. Components shall be defined as any valve, fitting, pump, compressor, pressure relief valve, diaphragm, hatch, sight-glass, and meter, which are not exempted by Rule 1173.

The operator shall keep records of the monthly inspection (quarterly where applicable), subsequent repair, and reinspection, in a manner approved by the District. Records shall be kept and maintained for at least two years, and shall be made available to the Executive Officer or his authorized representative upon request.

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

[Systems subject to this condition : Process 1, System 18; Process 3, System 5; Process 4, System 3, 4; Process 7, System 7; Process 8, System 8; Process 14, System 28; Process 16, System 8, 10]



FACILITY PERMIT TO OPERATE CHEVRON PRODUCTS CO.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

S31.20

The following BACT requirements shall apply to VOC service fugitive components associated with the devices that are covered by application number(s) 466150, 466876, 467544, and 467547:

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 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



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CHEVRON PRODUCTS CO.**

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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 Districts 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 16, System 10; Process 20, System 37]

DEVICE CONDITIONS

C. Throughput or Operating Parameter Limits

C6.10 (existing)

The operator shall use this equipment in such a manner that the hydrocarbon concentration being monitored, as indicated below, does not exceed 30 percent of the Lower Explosive Limit.

The operator shall use an explosimeter or equivalent device to monitor the hydrocarbon concentration in the vapor space between the floating roof and geodesic dome twice a year at 4 to 8 months interval.



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CHEVRON PRODUCTS CO.**

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

[RULE 1178, 12-21-2001]

[Devices subject to this condition : D1343, D1367, D1382, D1388, D1389, D1406, D1435, D1439, D1460, D1465, D1473]

H. Applicable Rules

H23.1 (existing)

This equipment is 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]

[Devices subject to this condition : D1237, D1318, D1326, D1338, D1343, D1345, D1354, D1364, D1365, D1369, D1379, D1380, D1381, D1383, D1385, D1388, D1396, D1406, D1407, D1427, D1434, D2151, D3958]

H23.10 (existing)

This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	40CFR60, SUBPART	K

[40CFR 60 Subpart K, 5-5-1989]

[Devices subject to this condition : D1282, D1283, D1313, D1358, D1361, D1375, D1377, D1386, D1389, D1411, D1416, D1417, D1418, D1420, D1449, D1467]

K. Record Keeping/Reporting

K67.51 (existing)

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

Tank throughput in barrels.

Commodity/product stored and time period of its storage.

Actual vapor pressure, in psia, of each commodity/product stored.

Hydrocarbon concentration measurements done in the vapor space above



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the floating roof of the tank.

Other records that may be required to comply with the applicable requirements of District Rules 463(d), 1149, 1178, 40CFR 61 Subpart FF, and 40CFR 63 Subpart CC.

[RULE 1149, 7-14-1995; RULE 1178, 12-21-2001; RULE 463, 3-11-1994; 40CFR 61 Subpart FF, 12-4-2003; 40CFR 63 Subpart CC, 5-25-2001]

[Devices subject to this condition : D1343, D1352, D1369, D1388, D1406]

K67.54

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

Tank throughput in barrels

Commodity/product stored and time period of its storage.

Actual vapor pressure, in psia, of each commodity/product stored.

Other records that may be required to comply with the applicable requirements of District Rules 463, 1149, 1178, and 40CFR63, Subpart CC.

[RULE 1149, 5-2-2008; RULE 1178, 4-7-2006; RULE 463, 5-6-2005; 40CFR 63 Subpart CC, 6-23-2003]

[Devices subject to this condition : D1324, D1351, D1356, D1357, D1360, D1361, D1362, D1363, D1366, D1378, D1421, D1422, D1424, D1426, D1428, D1430, D1436, D1437, D1440, D1445, D1446, D1447, D1449, D1451]

K67.69

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

Tank throughput in barrels.

Commodity/product stored and time period of its storage.

Actual vapor pressure, in psia, of each commodity/product stored.

Hydrocarbon concentration measurements done in the vapor space above the floating roof of the tank.

Other records that may be required to comply with the applicable requirements of District Rules 463(d), 1149, 1178, 40CFR60, Subpart K, and 40CFR63, Subpart CC.



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CHEVRON PRODUCTS CO.**

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[RULE 1149, 5-2-2008; RULE 1178, 4-7-2006; RULE 463, 5-6-2005; 40CFR 60 Subpart K, 5-5-1989; 40CFR 63 Subpart CC, 6-23-2003]

[Devices subject to this condition : D1389]

K171.11 (existing)

The operator shall provide to the District the following items:

Final drawings and/or specifications of the geodesic dome cover and deck fitting upgrade to be installed/constructed shall be submitted to the District within 30 days after its construction.

[RULE 1178, 4-7-2006]

[Devices subject to this condition : D1406, D1435]

K171.13

The operator shall provide to the District the following items:

Final Drawings and/or specifications of the geodesic dome cover to be installed/constructed shall be submitted to the District within 30 days after its construction.

[RULE 1178, 4-7-2006]

[Devices subject to this condition : D1343, D1347, D1367, D1388, D1389, D1460, D1465, D1473]