



**FACILITY PERMIT TO OPERATE
CHEVRON PRODUCTS COMPANY**

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS
The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type	Emissions and Requirements	Conditions
Process 16: STORAGE TANKS					P13.1
System 3: EXTERNAL FLOATING ROOF TANK					S13.3
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 752, WELDED SHELL, WASTEWATER, RECOVERED HYDROCARBONS, 15,000 BBL; DIAMETER: 48 FT; HEIGHT: 47 FT 8 IN, WITH FLOATING ROOF, DOUBLE DECK PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY B OR BETTER, RIM MOUNTED, WIPER TYPE GUIDEPOLE, UNSLOTTED, WITH GASKETED SLIDING COVER AND POLE WIPER A/N: 437451	D1401			BENZENE: (10) [40CFR61 Subpart FF, #2, 12-4-2003]; HAP: (10) [40CFR 63 Subpart CC, #2, 6-23-2003]	C1.153 E71.68 H23.17 K67.56
STORAGE TANK, EXTERNAL FLOATING ROOF, NO. 753, WELDED SHELL, WASTEWATER, RECOVERED HYDROCARBONS, 12,500 BBL; DIAMETER: 48 FT; HEIGHT: 39 FT 8 IN, WITH FLOATING ROOF, DOUBLE DECK PRIMARY SEAL, CATEGORY A, METALLIC SHOE SECONDARY SEAL, CATEGORY B OR BETTER, RIM MOUNTED, WIPER TYPE GUIDEPOLE, UNSLOTTED, WITH GASKETED SLIDING COVER AND POLE WIPER A/N: 437428	D1402			BENZENE: (10) [40CFR61 Subpart FF, #2, 12-4-2003]; HAP: (10) [40CFR 63 Subpart CC, #2, 6-23-2003]	C1.151 E71.68 H23.17 K67.56



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Equipment	ID No.	Connected To	RECLAIM Source Type	Emissions and Requirements	Conditions
Process 17: ELECTRIC GENERATION					
System 3: AIR POLLUTION CONTROL COGEN TRAIN A					
SELECTIVE CATALYTIC REDUCTION, REACTOR NO. R-3300, CORMETECH, CERAMIC HONEYCOMB TYPE OR APPROVED EQUIVALENT CATALYST, 667 CU. FT.; DEPTH 6 FT 11 IN, HEIGHT: 30 FT 11 IN; WIDTH: 13 FT 11 IN WITH AMMONIA INJECTION, V-3310A & V-3310B (One Standby Unit), AQUEOUS AMMONIA A/ N: 519427	C2210	D2198 D2199		NH3: 20 PPMV (4) [RULE : 1303(a)(1)-BACT, 5-10-1996]	A99.3, A195.25, D12.2, D12.3, D12.11, D29.14, E193.5, K40.5, K171.19
CO OXIDATION CATALYST, NO. R-3350, 117. 6 CU FT CATALYST, DEPTH: 12 FT, , WIDTH: 13 FT; HEIGHT: 28 FT 9 IN A/ N: 519427	C2211	D2198 D2199			D12.4, D12.13
BLOWER, DILUTION AIR, K-3310A & K-3310B (One Standby Unit), WITH MOTOR DRIVE, A/ N: 519427	D3481				

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]



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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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SYSTEM CONDITIONS:

S13.3 All devices under this system are subject to the applicable requirements of the following rules or regulations:

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

[RULE 1149, 5-2-2008; **RULE 1178, 4-7-2006; RULE 463, 5-6-2005**]

[Systems subject to this condition: Process 16, System 1, 2, 3, 5]

DEVICE CONDITIONS

A99.3 The 20 PPM NH3 emission limit(s) shall not apply during startup and shutdown.

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

[Devices subject to this condition: C2210, C2213, C3058, C3533]

A195.25 The 20 PPMV NH3 emission limit(s) is averaged over 1 hour, 15 percent oxygen, dry basis.

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

[Devices subject to this condition: C2210, C2213, C3058]

C1.151 The operator shall limit the throughput to no more than 10,420 barrel(s) in any one calendar month.

The operator shall calculate the throughput, in barrels, by the following equation: $0.14 \times D \times D \times L$, where D is the diameter of the tank in feet based on the tank strapping chart and L is the total vertical one-way roof travel in feet per month.

The operator shall install and maintain an automatic tank level gauge (ATLG) and recorder to continuously record the vertical movement of the roof. For the purpose of this condition, continuous recording is defined as once per hour.

The operator shall calculate the total one-way roof movement, in feet, on a daily and monthly basis.

The ATLG installed shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLG differs from the manual tank level measurement by more than 1.0 inch or 0.8%, whichever is greater, the ATLG shall be repaired and put back into service within 10 days. While the ATLG is being repaired, the



FACILITY PERMIT TO OPERATE CHEVRON PRODUCTS COMPANY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

throughput shall be determined by the hourly tank level data averaged from the previous 30 days prior to the discovery of the discrepancy.

In the event of a failure or routine maintenance of the ATLG, the ATLG shall be repaired (if necessary) and put back into service within 10 days of the time that the ATLG failed or was removed from service for maintenance. While the ATLG is being repaired or maintained, the throughput shall be determined by the hourly tank level data averaged from the previous 30 days prior to time that the ATLG went out of service.

[RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition: D1402]

C1.153 The operator shall limit the throughput to no more than 12,500 barrel(s) in any one calendar month.

The operator shall calculate the throughput, in barrels, by the following equation: $0.14 \times D \times D \times L$, where D is the diameter of the tank in feet based on the tank strapping chart and L is the total vertical one-way roof travel in feet per month.

The operator shall install and maintain an automatic tank level gauge (ATLG) and recorder to continuously record the vertical movement of the roof. For the purpose of this condition, continuous recording is defined as once per hour.

The operator shall calculate the total one-way roof movement, in feet, on a daily and monthly basis.

The ATLG installed shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLG differs from the manual tank level measurement by more than 1.0 inch or 0.8%, whichever is greater, the ATLG shall be repaired and put back into service within 10 days. While the ATLG is being repaired, the throughput shall be determined by the hourly tank level data averaged from the previous 30 days prior to the discovery of the discrepancy.

In the event of a failure or routine maintenance of the ATLG, the ATLG shall be repaired (if necessary) and put back into service within 10 days of the time that the ATLG failed or was removed from service for maintenance. While the ATLG is being repaired or maintained, the throughput shall be determined by the hourly tank level data averaged from the previous 30 days prior to time that the ATLG went out of service.

[RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition: D1401]

E71.68 The operator shall only use this equipment for the storage of materials with true vapor pressures less than 3 psia at actual storage conditions. The purpose of this condition is to ensure that this equipment operates in such a manner that it complies with R1178.

[RULE 1178, 4-7-2006]

[Devices subject to this condition: D1401, D1402]



FACILITY PERMIT TO OPERATE CHEVRON PRODUCTS COMPANY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

H23.17 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
Benzene	40CFR61, Subpart	FF
VOC	40CFR60, Subpart	Kb

[40CFR 61 Subpart FF, 12-4-2003; 40CFR 60 Subpart Kb, 10-15-2003]

[Devices subject to this condition: D1269, D1323, D1327, D1335, D1336, D1347, D1348, D1352, D1367, D1374, D1394, D1401, D1402, D1413, D1414, D1415, D1459, D1465, D1473, D1608, D1609, D1610, D1611, D1612, D1613, D1614, D1615, D1616, D1617, D4119, D4121, D4123, D4125, D4127, D4129, D4131, D4133, D4135, D4137, D4139, D4141, D4143, D4145, D4147, D4149, D4151, D4153, D4155, D4157, D4159, D4161, D4163, D4165, D4167, D4169, D4171, D4173, D4175, D4177, D4179, D4181, D4183, D4185, D4187, D4189, D4191, D4193, D4195, D4197]

K67.56 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Tank throughput in barrels per calendar month.

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, 40CFR60, Subpart Kb, 40CFR61, Subpart FF, and 40CFR63, Subpart CC.

[RULE 1149, 5-2-2008; RULE 1178, 4-7-2006; RULE 463, 5-6-2005; 40CFR 60 Subpart Kb, 10-15-2003; 40CFR 61 Subpart FF, 12-4-2003; 40CFR 63 Subpart CC, 6-23-2003]

[Devices subject to this condition: D1348, D1401, D1402]

D12.2 The operator shall install and maintain a(n) continuous monitoring system to accurately indicate the ammonia injection rate of the ammonia injection system.

The measuring device or gauge shall be accurate to within plus or minus 5 percent. It shall be calibrated once every 12 months.

The operator shall also install and maintain a device to continuously record the parameter being measured and to continuously record the ammonia to emitted NOx mole ratio.

For the purpose of this condition, continuously record shall be defined as recording at least once every hour and shall be calculated based upon the average of the continuous monitoring for that hour.

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

[Devices subject to this condition: C2210, C2213, C3058]



FACILITY PERMIT TO OPERATE CHEVRON PRODUCTS COMPANY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

D12.3 The operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the SCR catalyst beds in inches water column.

The measuring device or gauge shall be accurate to within +/- 5 percent. It shall be calibrated once every twelve months.

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

For the purpose of this condition, continuously record shall be defined as recording at least once every week and shall be calculated based upon the average of the continuous monitoring for that week.

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

[Devices subject to this condition: C85, C162, C469, C1967, C2210, C2213, C3058]

D12.4 The operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the CO catalyst beds.

The measuring device or gauge shall be accurate to within +/- 5 percent. It shall be calibrated once every 12 months

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

For the purpose of this condition, continuously record shall be defined as recording at least once every week and shall be calculated based upon the average of the continuous monitoring for that week.

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

[Devices subject to this condition: C2211, C2214, C3059]

D12.11 The operator shall install and maintain a(n) temperature reading device to accurately indicate the temperature at the inlet to the SCR catalyst bed.

The measuring device or gauge shall be accurate to within +/- 5 percent. It shall be calibrated once every 12 months.

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

For the purpose of this condition, continuously record shall be defined as recording at least once every hour and shall be calculated based upon the average of the continuous monitoring for that hour

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

[Devices subject to this condition: C2210, C2213, C3058]



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

D12.13 The operator shall install and maintain a(n) temperature reading device to accurately indicate the temperature at the inlet to the CO catalyst beds.

The measuring device or gauge shall be accurate to within +/- 5 percent. It shall be calibrated once every 12 months

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

For the purpose of this condition, continuously record shall be defined as recording at least once every hour and shall be calculated based upon the average of the continuous monitoring for that hour

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

[Devices subject to this condition: C2211, C2214, C3059]

D29.14 The operator shall conduct source test(s) for the pollutant(s) identified below.

Pollutant(s) to be tested	Required Test Method(s)	Averaging Time	Test Location
NH3 emissions	Approved District Method(s)	District-approved averaging time	Outlet

The initial test shall be performed within 60 days after the new ammonia vaporization system is put into operation.

The test(s) shall be conducted at least annually after the initial source test.

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

[Devices subject to this condition: C2210]

E193.5 The operator shall construct, operate, and maintain this equipment according to the following specifications:

To establish equivalency of a catalyst, the operator shall submit the following information for the catalyst to the District permitting engineer: manufacturer, description (type), configuration, dimensions (per block), number of blocks, total volume, space velocity, life, vendor performance guarantee, performance curve (versus temperature), minimum operating temperature, estimated SO₂ to SO₃ conversion, estimated NO to NO₂ conversion, and concentration of Rule 1401 TACs.

The operator shall not install and use an “equivalent” catalyst until approval is received in writing from the District.

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

[Devices subject to this condition: C2210, C2213, C2217, C3058]



FACILITY PERMIT TO OPERATE CHEVRON PRODUCTS COMPANY

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

K40.5 The operator shall provide to the District a source test report in accordance with the following specifications:

Source test results shall be submitted to the District no later than 60 days after the source test was conducted.

Emission data shall be expressed in terms of concentration (ppmv) corrected to 15 percent oxygen (dry basis), mass rate (lb/hr), and lb/MMSCF. In addition, solid PM emissions, if required to be tested, shall also be reported in terms of grains/DSCF.

All exhaust flow rate shall be expressed in terms of dry standard cubic feet per minute (DSCFM) and dry actual cubic feet per minute (DACFM).

All moisture concentration shall be expressed in terms of percent corrected to 15 percent oxygen.

Source test results shall also include the oxygen levels in the exhaust, fuel flow rate (CFH), heating content of the fuel, the flue gas temperature, and the generator power output (MW) under which the test was conducted.

[Rule 2005, 5-6-2005; Rule 1303(a)(1)-BACT, 5-10-1996; Rule 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition: D2198, D2207, C2210, C2213, D2216, C2217, D3053, C3058]

K171.19 The operator shall provide to the District the following items:

Final Drawings and/or specifications of the equipment installed/constructed/ modified shall be submitted to the District within 60 days after its construction.

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

[Devices subject to this condition: C2210]