



**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.	Connect To	RECLAIM Source	Emissions and Requirements	Conditions
<b>PROCESS 17: ELECTRIC GENERATION</b>					
<b>SYSTEM 4: AIR POLLUTION CONTROL COGEN TRAIN B</b>					
SELECTIVE CATALYTIC REDUCTION, REACTOR NO. R-3400, 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-3410A & V-3410B (One Standby Unit), AQUEOUS AMMONIA A/ N: 534670	C2213	D2207 D2208		NH3: 20 PPMV (4) [RULE : 1303(a)(1)-BACT, 5-10-1996]	A99.3, A195.25, D12.39, D12.40, D12.42, D29.14, E193.5, K40.5, K171.19
CO OXIDATION CATALYST, NO. R-3450, 117.6 CU FT CATALYST, DEPTH: 12 FT, , WIDTH: 13 FT; HEIGHT: 28 FT 9 IN A/ N: 534670	C2214	D2207 D2208			D12.41, D12.43
BLOWER, DILUTION AIR, K-3410A & K-3410B (One Standby Unit), WITH MOTOR DRIVE A/ N: 534670	D3483				

**PROCESS CONDITIONS**

None

**SYSTEM CONDITIONS**

None



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#### DEVICE CONDITIONS

**A99.3** The 20 PPM NH<sub>3</sub> emission limit(s) shall not apply during startup and shutdown.

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

[Devices subject to this condition: C1967, C2210, **C2213**, C3058, C3533]

**A195.25** The 20 PPMV NH<sub>3</sub> 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]

**D12.39** The operator shall install and maintain a(n) continuous monitoring system to accurately indicate the ammonia injection rate of the ammonia injection system except during calibration checks, or routine maintenance and repair lasting 60 minutes or less.

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 NO<sub>x</sub> mole ratio except during calibration checks, or routine maintenance and repair lasting 60 minutes or less.

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.

In the event of a monitoring and/or recording system malfunction or failure, which exceeds 24 hours, the operator shall notify the Executive Officer within 24 hours or the next working day. During the system failure, compliance with the requirement to continuously monitor and record data is waived for a period not to exceed 96 consecutive hours.

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

[Devices subject to this condition: **C2213**]

**D12.40** 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 except during calibration checks, or routine maintenance and repair lasting 60 minutes or less.

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 except during calibration checks, or routine maintenance and repair lasting 60 minutes or less.



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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.

In the event of a monitoring and/or recording system malfunction or failure, which exceeds 24 hours, the operator shall notify the Executive Officer within 24 hours or the next working day. During the system failure, compliance with the requirement to continuously monitor and record data is waived for a period not to exceed 96 consecutive hours.

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

[Devices subject to this condition: **C2213**]

**D12.41** The operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the CO catalyst beds except during calibration checks, or routine maintenance and repair lasting 60 minutes or less.

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 except during calibration checks, or routine maintenance and repair lasting 60 minutes or less.

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.

In the event of a monitoring and/or recording system malfunction or failure, which exceeds 24 hours, the operator shall notify the Executive Officer within 24 hours or the next working day. During the system failure, compliance with the requirement to continuously monitor and record data is waived for a period not to exceed 96 consecutive hours.

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

[Devices subject to this condition: **C2214**]

**D12.42** The operator shall install and maintain a(n) temperature reading device to accurately indicate the temperature at the inlet to the SCR catalyst bed except during calibration checks, or routine maintenance and repair lasting 60 minutes or less.

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 except during calibration checks, or routine maintenance and repair lasting 60 minutes or less.

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.



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In the event of a monitoring and/or recording system malfunction or failure, which exceeds 24 hours, the operator shall notify the Executive Officer within 24 hours or the next working day. During the system failure, compliance with the requirement to continuously monitor and record data is waived for a period not to exceed 96 consecutive hours.

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

[Devices subject to this condition: **C2213**]

**D12.43** The operator shall install and maintain a(n) temperature reading device to accurately indicate the temperature at the inlet to the CO catalyst beds except during calibration checks, or routine maintenance and repair lasting 60 minutes or less.

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 except during calibration checks, or routine maintenance and repair lasting 60 minutes or less.

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.

In the event of a monitoring and/or recording system malfunction or failure, which exceeds 24 hours, the operator shall notify the Executive Officer within 24 hours or the next working day. During the system failure, compliance with the requirement to continuously monitor and record data is waived for a period not to exceed 96 consecutive hours.

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

[Devices subject to this condition: **C2214**]

**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, **C2213**]



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

**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 SO<sub>2</sub> to SO<sub>3</sub> conversion, estimated NO to NO<sub>2</sub> 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, C3533]

**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, **C2213**]