



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:

Equipment	ID No.	Connecte d To	RECLAIM Source Type	Emissions and Requirements	Conditions
Process 12: TREATING AND STRIPPING PROCESSES					
System 28: SOUR WATER STRIPPER PLANT NO. 68					S7.4, S13.2, S15.21, S31.20, S56.1
FILTER, K-6801 AND K-6801A, SOUR WATER PREFILTERS, TWO FILTERS IN PARALLEL, T/T, LENGTH: 8 FT 6 IN; DIA: 3 FT A/N 467141	D4305				K171.17
VESSEL, V-6801, SOUR WATER OIL SEPARATOR, T/T, LENGTH: 10 FT; DIA: 3 FT A/N 467141	D4306				K171.17
COLUMN, C-6810, SOUR WATER STRIPPER, 330 GPM, T/T, HEIGHT: 122 FT; DIAMETER: 5 FT A/N 467141	D4307				K171.17
ACCUMULATOR, V-6820, OVERHEAD, T/T, LENGTH: 10 FT; DIA, 3 FT 6 IN A/N 467141	D4308				K171.17
TANK, AMMONIUM BISULFIDE, 500 GAL, PART OF APS INJECTION PACKAGE PK-6801 A/N 467141	D4309				K171.17
FUGITIVE EMISSION, MISCELLANEOUS A/N 467141	D4310				H23.3, K171.17

Equipment	ID No.	Connected To	RECLAIM Source Type	Emissions and Requirements	Conditions
Process 13: Sulfur Production					P13.1
System 1: Sulfur Recovery – Claus Unit No. 10					S7.3, S13.12, S15.15, S18.1
FURNACE, COMBUSTION CHAMBER AND REACTION, F-101, 26 MMBTU/HR A/N: 499500	D908				

- * (1) Denotes RE CLAIM emission factor
- (3) Denotes RECLAIM concentration limit
- (5)(5A)(5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule
- (8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAP, etc.)
- (10) See Section J for NESHAP/MACT requirements

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



**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:

Equipment	ID No.	Connected To	RECLAIM Source Type	Emissions and Requirements	Conditions
BURNER, F-102, AUXILIARY BURNER NO. 1, LENGTH: 8 FT; DIAMETER: 2 FT 2 IN A/N: 499500	D909				
BURNER, F-103, AUXILIARY BURNER NO. 2, LENGTH: 8 FT; DIAMETER: 2 FT 2 IN A/N: 499500	D910				
REACTOR, SULFUR CONVERTER, R-101A/B, TWO-STAGE CATALYTIC, LENGTH: 52 FT; DIAMETER: 10 FT A/N: 499500	D915				
PIT, SULFUR, T-101, WITH STEEL COVER, WITH EMERGENCY VENT TO ATMOSPHERE, WIDTH: 15 FT; DEPTH: 8 FT 5 IN; LENGTH: 25 FT A/N: 499500	D917	D911		H2S: 10 PPMV (5) [RULE 468, 10-8-1976]; SOX: 500 PPMV (5) [RULE 407, 4-2-1982]	
BLOWER, K-102, AIR, COMMON TO SRU NOS. 10 AND 20 A/N: 499500	D918				
BLOWER, K-202, AIR, COMMON TO SRU NOS 10 AND 20 A/N: 499500	D936				
KNOCK OUT POT, H2S, V-601, (COMMON TO CLAUS UNITS 10, 20, 70 AND 73), HEIGHT: 12 FT 6 IN; DIAMETER: 5 FT A/N: 499500	D961				
BLOWER, K-101, MAIN REACTION AIR, COMMON TO SRU NOS. 10 AND 20 A/N: 499500	D3459				
BLOWER, K-201, MAIN REACTION AIR, COMMON TO SRU NOS. 10 AND 20 A/N: 499500	D3461				
CONDENSER, E-101, SULFUR NO. 1 A/N: 499500	D3713				
CONDENSER, E-102, SULFUR NO. 2 A/N: 499500	D3714				

- * (1) Denotes RE CLAIM emission factor
- (3) Denotes RECLAIM concentration limit
- (5)(5A)(5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule
- (8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAP, etc.)
- (10) See Section J for NESHAP/MACT requirements

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



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:

Equipment	ID No.	Connecte d To	RECLAIM Source Type	Emissions and Requirements	Conditions
Process 12: TREATING AND STRIPPING PROCESSES					
System 28: SOUR WATER STRIPPER PLANT NO. 68					S7.4, S13.2, S15.21, S31.20, S56.1
FILTER, K-6801 AND K-6801A, SOUR WATER PREFILTERS, TWO FILTERS IN PARALLEL, T/T, LENGTH: 8 FT 6 IN; DIA: 3 FT A/N 467141	D4305				K171.17
VESSEL, V-6801, SOUR WATER OIL SEPARATOR, T/T, LENGTH: 10 FT; DIA: 3 FT A/N 467141	D4306				K171.17
COLUMN, C-6810, SOUR WATER STRIPPER, 330 GPM, T/T, HEIGHT: 122 FT; DIAMETER: 5 FT A/N 467141	D4307				K171.17
ACCUMULATOR, V-6820, OVERHEAD, T/T, LENGTH: 10 FT, DIA: 3 FT 6 IN A/N 467141	D4308				K171.17
TANK, AMMONIUM BISULFIDE, 500 GAL, PART OF APS INJECTION PACKAGE PK-6801 A/N 467141	D4309				K171.17
FUGITIVE EMISSION, MISCELLANEOUS A/N 467141	D4310				H23.3, K171.17

Equipment	ID No.	Connected To	RECLAIM Source Type	Emissions and Requirements	Conditions
Process 13: Sulfur Production					P13.1
System 1: Sulfur Recovery – Claus Unit No. 10					S7.3, S13.12, S15.15, S18.1
FURNACE, COMBUSTION CHAMBER AND REACTION, F-101, 26 MMBTU/HR A/N: 499500	D908				

- (1) Denotes RE CLAIM emission factor
- (2) Denotes RECLAIM emission rate
- (3) Denotes RECLAIM concentration limit
- (4) Denotes BACT emission limit
- (5)(5A)(5B) Denotes command and control emission limit
- (6) Denotes air toxic control rule
- (7) Denotes NSR applicability limit
- (8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAP, etc.)
- (9) See App B for Emission Limits
- (10) See Section J for NESHAP/MACT requirements

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



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:

Equipment	ID No.	Connected To	RECLAIM Source Type	Emissions and Requirements	Conditions
BLOWER, K-202, AIR, COMMON TO SRU NOS 10 AND 20 A/N: 499500	D936				
KNOCK OUT POT, H2S, V-601, (COMMON TO CLAUS UNITS 10, 20, 70 AND 73), HEIGHT: 12 FT 6 IN; DIAMETER: 5 FT A/N: 499500	D961				
BLOWER, K-101, MAIN REACTION AIR, COMMON TO SRU NOS. 10 AND 20 A/N: 499500	D3459				
BLOWER, K-201, MAIN REACTION AIR, COMMON TO SRU NOS. 10 AND 20 A/N: 499500	D3461				
CONDENSER, E-201, SULFUR NO. 1 A/N: 499877	D3716				
CONDENSER, E-202, SULFUR NO. 2 A/N: 499877	D3717				
CONDENSER, E-204, SULFUR NO. 4 A/N: 499877	D3718			H2S: 10 PPMV (5) [RULE 468, 10-8-1976]; HAP: (10) [40CFR 63 Subpart UUU, #4, 2-9-2005] SOX: 500 PPMV (5) [RULE 407, 4-2-1982]; SO2: 250 PPMV (8) [40CFR 60 Subpart Ja, 6-24-2008]	
BLOWER, MK-802, AIR, ELECTRIC MOTOR-DRIVEN, SPARE UNIT, COMMON TO SRU NOS. 10 AND 20 A/N: 4499500	D3835				E71.27
KNOCKOUT POT, V-600, ACID GAS, (COMMON TO CLAUS UNITS 10, 20, 70 AND 73), T/T LENGTH: 20 FT; DIAMETER: 5 FT A/N: 499500	D4089				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 499877	D3655				H23.3
Process 13: Sulfur Production					P13.1
System 4: Sulfur Recovery – Claus Unit No. 70					S7.3, S13.12, S15.17, S18.1
FURNACE, F-701, COMBUSTION CHAMBER AND REACTION, 62.4	D954				

- * (1) Denotes RECLAIM emission factor
- (2) Denotes RECLAIM emission rate
- (3) Denotes RECLAIM concentration limit
- (4) Denotes BACT emission limit
- (5)(5A)(5B) Denotes command and control emission limit
- (6) Denotes air toxic control rule
- (7) Denotes NSR applicability limit
- (8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAP, etc.)
- (9) See App B for Emission Limits
- (10) See Section J for NESHAP/MACT requirements

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



**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:

Equipment	ID No.	Connected To	RECLAIM Source Type	Emissions and Requirements	Conditions
CONDENSER, E-104, SULFUR NO. 3 A/N: 499500	D3715			H2S: 10 PPMV (5) [RULE 468, 10-8-1976]; HAP: (10) [40CFR 63 Subpart UUU, #4, 2-9-2005] SOX: 500 PPMV (5) [RULE 407, 4-2-1982]; SO2: 250 PPMV (8) [40CFR 60 Subpart Ja, 6-24-2008]	
BLOWER, MK-802, AIR, ELECTRIC MOTOR-DRIVEN, SPARE UNIT, COMMON TO SRU NOS. 10 AND 20 A/N: 499500	D3835				E71.27
KNOCKOUT POT, V-600, ACID GAS, (COMMON TO CLAUS UNITS 10, 20, 70, AND 73), T/T LENGTH: 20 FT; DIAMETER: 5 FT A/N: 499500	D4089				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 499500	D3654				H23.3
Process 13: Sulfur Production					P13.1
System 2: Sulfur Recovery – Claus Unit No. 20					S7.3, S13.12, S15.16, S18.1
BLOWER, K-102, AIR, COMMON TO SRU NOS. 10 AND 20 A/N: 499500	D918				
FURNACE, F-201, COMBUSTION CHAMBER AND REACTION, 26 MMBTU/HR A/N: 499877	D924				
BURNER, AUXILIARY BURNER NO. 1, F-202, IN-LINE A/N: 499877	D925				
BURNER, AUXILIARY BURNER NO. 2, F-203, IN-LINE A/N: 499877	D926				
REACTOR, SULFUR CONVERTER, R-201A/B, TWO-STAGE CATALYTIC, LENGTH: 52 FT; DIAMETER: 10 FT A/N: 499877	D931				
PIT, T-201, SULFUR, WITH STEEL COVER, WITH EMERGENCY VENT TO ATMOSPHERE, WIDTH: 15 FT; DEPTH: 8 FT 5 IN; LENGTH: 25 FT A/N: 499877	D934	D927		H2S: 10 PPMV (5) [RULE 468, 10-8-1976]; SOX: 500 PPMV (5) [RULE 407, 4-2-1982]	

- * (1) Denotes RE CLAIM emission factor
- (2) Denotes RECLAIM emission rate
- (3) Denotes RECLAIM concentration limit
- (4) Denotes BACT emission limit
- (5)(5A)(5B) Denotes command and control emission limit
- (6) Denotes air toxic control rule
- (7) Denotes NSR applicability limit
- (8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAP, etc.)
- (9) See App B for Emission Limits
- (10) See Section I for NESHAP/MACT requirements

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



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:

Equipment	ID No.	Connected To	RECLAIM Source Type	Emissions and Requirements	Conditions
CONDENSER, E-703, SULFUR NO. 3, HEIGHT: 53 FT; DIAMETER: 7 FT 7 IN A/N: 499878	D3721			H2S: 10 PPMV (5) [RULE 468, 10-8-1976]; HAP: (10) [40CFR 63 Subpart UUU, #4, 2-9-2005] SOX: 500 PPMV (5) [RULE 407, 4-2-1982]; SO2: 250 PPMV (8) [40CFR 60 Subpart Ja, 6-24-2008]	
BLOWER, MK-801, AIR, ELECTRIC MOTOR-DRIVEN, SPARE UNIT A/N: 499878	D3836				E71.28
KNOCKOUT POT, V-600, ACID GAS, (COMMON TO CLAUS UNITS 10, 20, 70 AND 73), T/T LENGTH: 20 FT; DIAMETER: 5 FT A/N: 499500	D4089				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 499878	D3656				H23.3
Process 13: Sulfur Production					P13.1
System 10: Sulfur Recovery – Claus Unit No. 73					S1.5, S7.4, S13.12, S15.22, S18.20, S56.1
DRUM, V-7301, AMINE ACID GAS KO, T/T, HEIGHT: 10 FT 9 IN; DIAMETER: 5 FT A/N 470738	D4311				K171.17
DRUM, V-7302, NH3 ACID GAS KO, T/T, HEIGHT: 8 FT 3 IN; DIAMETER: 3 FT 6 IN A/N 470738	D4312				K171.17
BLOWER, K-7301 AND K-7301A (ONE SPARE), COMBUSTION AIR, ELECTRIC, 791 MSCFH, 750 HP A/N 470738	D4313				K171.17
FURNACE, F-7301, COMBUSTION CHAMBER AND REACTION, 92 MMBTU/HR BOILER, WASTE HEAT, E-7301, UNFIRED A/N 470738	D4314	D4323			K171.17
CONDENSER, E-7302, SULFUR NO. 1 A/N 470738	D4315				K171.17

- * (1) Denotes RE CLAIM emission factor
- (2) Denotes RECLAIM emission rate
- (3) Denotes RECLAIM concentration limit
- (4) Denotes BACT emission limit
- (5)(5A)(5B) Denotes command and control emission limit
- (6) Denotes air toxic control rule
- (7) Denotes NSR applicability limit
- (8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAP, etc.)
- (9) See App B for Emission Limits
- (10) See Section J for NESHAP/MACT requirements

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



**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:

Equipment	ID No.	Connected To	RECLAIM Source Type	Emissions and Requirements	Conditions
MMBTU/HR A/N: 499878					
REACTOR, SULFUR CONVERTER, R-701A/B TWO-STAGE CATALYTIC, LENGTH: 42 FT; DIAMETER: 14 FT A/N: 499878	D958				
PIT, T-701, SULFUR, WITH STEEL COVER, WITH EMERGENCY VENT TO ATMOSPHERE, WIDTH: 25 FT 3 IN; DEPTH: 5 FT 9 IN; LENGTH: 52 FT 4.5 IN A/N: 499878	D960	D955		H2S: 10 PPMV (5) [RULE 468, 10-8-1976]; SOX: 500 PPMV (5) [RULE 407, 4-2-1982]	
KNOCK OUT POT, H2S, V-601, (COMMON TO CLAUS UNITS 10, 20, 70 AND 73), HEIGHT: 12 FT 6 IN; DIAMETER: 5 FT A/N: 499878	D961				
KNOCK OUT POT, SO2 RECYCLE GAS, V-701, HEIGHT: 8 FT; DIAMETER: 3 FT A/N: 499878	D962				
EJECTOR, SULFUR PIT GAS EDUCTOR, K-702 A/N: 499878	D967				
KNOCK OUT POT, V-777, SOUR WATER A/N: 499878	D2149				
BURNER, AUXILIARY NO. 1, F-702, ACID GAS, IN-LINE A/N: 499878	D3466				
BURNER, AUXILIARY NO. 2, F-703, ACID GAS, IN-LINE A/N: 499878	D3467				
BLOWER, K-701, PROCESS AIR A/N: 499878	D3468				
CONDENSER, E-701, SULFUR NO. 1, HEIGHT: 53 FT; DIAMETER: 7 FT 7 IN A/N: 499878	D3719				
CONDENSER, E-702, SULFUR NO. 2, HEIGHT: 53 FT; DIAMETER: 7 FT 7 IN A/N: 499878	D3720				

- * (1) Denotes RE CLAIM emission factor
 - (2) Denotes RECLAIM emission rate
 - (3) Denotes RECLAIM concentration limit
 - (4) Denotes BACT emission limit
 - (5)(5A)(5B) Denotes command and control emission limit
 - (6) Denotes air toxic control rule
 - (7) Denotes NSR applicability limit
 - (8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAP, etc.)
 - (9) See App B for Emission Limits
 - (10) See Section J for NESHAP/MACT requirements
- ** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



**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:

Equipment	ID No.	Connected To	RECLAIM Source Type	Emissions and Requirements	Conditions
COMPRESSOR, K-7302 AND K-7302A (ONE SPARE), PROCESS AIR BOOSTER TO SULFUR DEGASSING UNIT, ELECTRIC, 4.2 MSCFH, 7.5 HP A/N 470738	D4326				K171.17
SUMP, S-7301, STORM WATER, LENGTH: 36 FT; WIDTH: 16 FT; DEPTH: 16 FT A/N 470738	D4327				K171.17
KNOCK OUT POT, H2S, V-601, (COMMON TO CLAUS UNITS 10, 20, 70 AND 73), HEIGHT: 12 FT 6 IN; DIAMETER: 5 FT A/N: 499500	D961				
KNOCKOUT POT, V-600, ACID GAS, (COMMON TO CLAUS UNITS 10, 20, 70 AND 73), T/T LENGTH: 20 FT; DIAMETER: 5 FT A/N: 499500	D4089				
Process 13: SULFUR PRODUCTION					P13.1
System 11: TAIL GAS TREATMENT UNIT NO. 73					S7.4, S15.21, S18.21, S31.20, S56.1
BLOWER, K-7303 AND K-7303A (ONE SPARE), RGG COMBUSTION AIR, 105.4 MSCFH, 23.1 HP A/N 470739	D4328				K171.17
FURNACE, F-7303, REDUCING GAS GENERATOR, T/T, LENGTH: 16 FT 1 IN; DIAMETER: 7 FT 2 IN BURNER, F-7306, 12.8 MMBTU/HR A/N 470739	D4329				K171.17
REACTOR, R-7303, HYDROGENATION, T/T, LENGTH: 23 FT; DIAMETER: 12 FT A/N 470739	D4330				K171.17
BLOWER, K-7034 AND K-7034A (ONE SPARE), BOOSTER, 1030 MSCFH, 950 HP A/N 470739	D4331				K171.17
CONDENSER, C-7301,	D4332				K171.17

- * (1) Denotes RECLAIM emission factor
 - (3) Denotes RECLAIM concentration limit
 - (5)(5A)(5B) Denotes command and control emission limit
 - (7) Denotes NSR applicability limit
 - (9) See App B for Emission Limits
 - (2) Denotes RECLAIM emission rate
 - (4) Denotes BACT emission limit
 - (6) Denotes air toxic control rule
 - (8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAP, etc.)
 - (10) See Section J for NESHAP/MACT requirements
- ** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



**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:

Equipment	ID No.	Connected To	RECLAIM Source Type	Emissions and Requirements	Conditions
DRUM, V-7308, NO. 1 SULFUR SEAL, HEIGHT: 2 FT 6 IN; DIAMETER: 2 FT A/N 470738	D4316				K171.17
REACTOR, NO. 1 SULFUR CONVERTER, R-7301, CATALYTIC, T/T, LENGTH: 21 FT 6 IN; DIAMETER: 12 FT A/N 470738	D4317				K171.17
CONDENSER, E-7303, SULFUR NO. 2 A/N 470738	D4318				K171.17
DRUM, V-7309, NO. 2 SULFUR SEAL, HEIGHT: 2 FT 6 IN; DIAMETER: 2 FT A/N 470738	D4319				K171.17
REACTOR, NO. 2 SULFUR CONVERTER, R-7302, CATALYTIC, T/T, LENGTH: 21 FT 6 IN; DIAMETER: 12 FT A/N 470738	D4320				K171.17
CONDENSER, E-7304, SULFUR NO. 3 A/N 470738	D4321			H2S: 2.5 PPMV (4) [RULE 2005, 5-6-2005]; H2S: 10 PPMV (5) [RULE 468, 10-8-1976]; HAP: (10) [40CFR 63 SUBPART UUU, #3,4-11-2002]; SOX: 12 PPMV (4) [RULE 2005, 5-6-2005]; SO2: 250 PPMV (8) [40CFR 60 Subpart Ja, 6-24-2008]; SOX: 500 PPMV (5) [RULE 407.4-2-1982]	K171.17, A195.15, A195.16
DRUM, V-7310, NO. 3 SULFUR SEAL, T/T, HEIGHT: 2 FT 6 IN; DIAMETER: 2 FT A/N 470738	D4322				K171.17
VESSEL, T-7301, LIQUID SULFUR, T/T, LENGTH: 24 FT; DIAMETER: 8 FT A/N 470738	D4323	D4314		H2S: 10 PPMV (5) [RULE 468, 10-8-1976]; SOX: 500 PPMV (5) [RULE 407.4-2-1982]	K171.17
EJECTOR, G-7301, SULFUR VESSEL GAS EJECTOR, USES 150 PSIG STEAM A/N 470738	D4324				K171.17
COLUMN, C-7305, SULFUR DEGASSING, T/T, HEIGHT: 34 FT; DIAMETER: 2 FT 6 IN A/N 470738	D4325				K171.17

- (1) Denotes RE CLAIM emission factor
 - (2) Denotes RECLAIM emission rate
 - (3) Denotes RECLAIM concentration limit
 - (4) Denotes BACT emission limit
 - (5)(5A)(5B) Denotes command and control emission limit
 - (6) Denotes air toxic control rule
 - (7) Denotes NSR applicability limit
 - (8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAP, etc.)
 - (9) See App B for Emission Limits
 - (10) See Section J for NESHAP/MACT requirements
- ** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



**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:

Equipment	ID No.	Connected To	RECLAIM Source Type	Emissions and Requirements	Conditions
A/N 470739					
Process 13: SULFUR PRODUCTION					P13.1
System 12: TAIL GAS TREATMENT UNIT NO. 73 - INCINERATOR					S7.4, S18.22
INCINERATOR, F-7304, TAIL GAS, NATURAL GAS (PRIMARY FUEL), 41.9 MMBTU/HR (HHV) BURNER, ULTRA LOW NOX, COEN/TODD COMBUSTION RMB (RAPID MIX BURNER) BOILER, WASTE HEAT (UNFIRED), A/N 480558	C4344	D4333 D4345	NOX: MAJOR SOURCE; SOX: MAJOR SOURCE	CO: 2000 PPMV (5) [RULE: 407.4-2-1982]; CO: 0.03 LB/MMBTU NAT GAS (4) [RULE 1303(a)(1)-BACT, 5-10-96]; NOX: 0.02 LB/MMBTU NAT GAS (4) [RULE 2005.5-6-2005]; PM: 0.1 GRAINS/SCF (5) [RULE 409.8-7-1981]; PM: (9) [RULE 404.2-7-1986];	A63.28, A195.17, A195.18, C1.146, C8.19, D29.11 D82.11; D82.12; K171.17
BLOWER, K-7307 AND K-7307A (ONE SPARE), COMBUSTION AIR, ELECTRIC, 628 MSCFH, 100 HP A/N 480558	D4345				K171.17
Process 13: SULFUR PRODUCTION					P13.1
System 13: TAIL GAS TREATMENT UNIT NO. 73 - SO₂ SCRUBBER (FINISHING)					S7.4
SCRUBBER, CAUSTIC, V-7324, SPRAY CHAMBER, COUNTER-CURRENT FLOW, HEIGHT 30 FT.; DIAMETER: 8 FT. A/N 498947	C4346	C4344			C8.20, C8.21, E129.3, K171.17

Equipment	ID No.	Connected To	RECLAIM Source Type	Emissions and Requirements	Conditions
Process 20: Air Pollution Control					
System 7: LSFO Emergency Relief System (Flare)					S7.4, S13.2, S18.7
FLARE, ELEVATED WITH STEAM INJECTION, F-2500, HEIGHT: 175 FT; DIAMETER: 3 FT 6 IN A/N: 482505	C1757				B61.11, D12.14, D323.2, H23.44, H23.46, H1.1
DRUM, V-1198, CRUDE UNIT RELIEF, WITH STEAM COIL, LENGTH: 20 FT; DIAMETER: 11 FT 6 IN A/N: 482505	D1759				
DRUM, V-1290, NAPHTHA HYDROTREATER RELIEF, WITH	D1760				

- * (1) Denotes RE CLAIM emission factor
- (2) Denotes RECLAIM emission rate
- (3) Denotes RECLAIM concentration limit
- (4) Denotes BACT emission limit
- (5)(5A)(5B) Denotes command and control emission limit
- (6) Denotes air toxic control rule
- (7) Denotes NSR applicability limit
- (8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAP, etc.)
- (9) See App B for Emission Limits
- (10) See Section J for NESHAP/MACT requirements

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



**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:

Equipment	ID No.	Connected To	RECLAIM Source Type	Emissions and Requirements	Conditions
SUPERHEATER/CONTACT, T/T, HEIGHT: 74 FT 2 IN; DIAMETER: 9 FT 6 IN A/N 470739					
ABSORBER, C-7302, AMINE, T/T, HEIGHT: 61 FT; DIAMETER: 8 FT 6 IN A/N 470739	D4333	C4344			E336.15, K171.17
COLUMN, C-7303, AMINE REGENERATOR, T/T, HEIGHT: 101 FT 10 IN; DIAMETER: 6 FT 6 IN A/N 470739	D4334				K171.17
DRUM, V-7314, REGENERATOR REFLUX, T/T, HEIGHT: 8 FT 10 IN; DIAMETER: 3 FT	D4335				K171.17
STORAGE TANK, T-7303, AMINE, HEIGHT: 18 FT; DIAMETER: 12 FT A/N 470739	D4336				K171.17
TANK, T-7302, LEAN AMINE SURGE TANK, HEIGHT: 21 FT 6 IN; DIAMETER: 20 FT A/N 470739	D4337				K171.17
FILTER, K-7306A/B/C, LEAN AMINE, THREE TOTAL, T/T, HEIGHT: 6 FT 10 IN; DIAMETER: 3 FT A/N 470739	D4338				K171.17
FILTER, K-7305, AMINE DRAIN, T/T, HEIGHT: 6 FT 10 IN; DIAMETER: 1 FT 2 IN A/N 470739	D4339				K171.17
DRUM, V-7312, AMINE DRAIN, T/T, HEIGHT: 11 FT; DIAMETER: 5 FT 6 IN A/N 470739	D4340				K171.17
DRUM, V-7317, FLARE KO, T/T, HEIGHT: 10 FT; DIAMETER: 4 FT A/N 470739	D4341				K171.17
TANK, ANTI-FOAM AGENT CONTAIN POLYPROPYLENE GLYCOL, 1000 GAL, PART OF ANTI-FOAM INJECTION PACKAGE	D4342				K171.17

- * (1) Denotes RE CLAIM emission factor
 - (2) Denotes RECLAIM emission rate
 - (3) Denotes RECLAIM concentration limit
 - (4) Denotes BACT emission limit
 - (5)(5A)(5B) Denotes command and control emission limit
 - (6) Denotes air toxic control rule
 - (7) Denotes NSR applicability limit
 - (8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAP, etc.)
 - (9) See App B for Emission Limits
 - (10) See Section J for NESHAP/MACT requirements
- ** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



**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:

Equipment	ID No.	Connected To	RECLAIM Source Type	Emissions and Requirements	Conditions
Process 20: AIR POLLUTION CONTROL					
System 10: REFINERY BLOWDOWN GAS RECOVERY SYSTEM					S13.2, S15.5, S15.9, S18.12
KNOCK OUT POT, V-2010, RESID STRIPPER, LENGTH: 10 FT; DIAMETER: 7 FT 1 IN A/N: 482504	D1772				
COMPRESSOR, ELECTRIC DRIVEN, K-2006, TWO-STAGE, RECIPROCATING, 4 MMSCFD A/N: 482504	D4211				E73.8, L341.2
COMPRESSOR, ELECTRIC DRIVEN, K-2007, TWO-STAGE, RECIPROCATING, 4 MMSCFD A/N: 482504	D4212				E73.8, L341.2
COMPRESSOR, ELECTRIC DRIVEN, K-2008, TWO-STAGE, RECIPROCATING, 4 MMSCFD A/N: 482504	D4213				E73.8, L341.2
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 482504	D3679			HAP: (10) [40CFR 63 Subpart CC, #5A,5-25-2001]	H23.19

- * (1) Denotes RE CLAIM emission factor
 - (2) Denotes RECLAIM emission rate
 - (3) Denotes RECLAIM concentration limit
 - (4) Denotes BACT emission limit
 - (5)(5A)(5B) Denotes command and control emission limit
 - (6) Denotes air toxic control rule
 - (7) Denotes NSR applicability limit
 - (8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAP, etc.)
 - (9) See App B for Emission Limits
 - (10) See Section J for NESHAP/MACT requirements
- ** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



**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:

Equipment	ID No.	Connected To	RECLAIM Source Type	Emissions and Requirements	Conditions
STEAM COIL, LENGTH: 16 FT; DIAMETER: 5 FT A/N: 482505					
DRUM, V-1591, VRDS RELIEF, WITH STEAM COIL, LENGTH: 32 FT; DIAMETER: 10 FT 6 IN A/N: 482505	D1761				
DRUM, V-1691, VGO RELIEF, WITH STEAM COIL, LENGTH: 30 FT; DIAMETER: 10 FT 6 IN A/N: 482505	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: 482505	D1763				
KNOCK OUT POT, V-956, THERMAL DISTILLATION RECOVERY SYSTEM, LENGTH: 7 FT; DIAMETER: 2 FT A/N: 482505	D1764				
VESSEL, SEPARATOR, DEGASSER, V-1175, HEIGHT: 19 FT; DIAMETER: 7 FT 1 IN A/N: 482505	D1767				
KNOCK OUT POT, NHT NO. 3, V-1098, LENGTH: 20 FT; DIAMETER: 10 FT A/N: 482505	D2220				E336.1
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 482505	D3678			HAP: (10) [40CFR 63 Subpart CC, #5A, 5-25-2001]	H23.3
VESSEL, SEPARATOR, V-2502, PROCESS GAS, HEIGHT: 4 FT 7 IN; DIAMETER: 1 FT 8 IN A/N: 482505	D3028				
FILTER, K-2502, PROCESS GAS, HEIGHT: 1 FT 2.25 IN; DIAMETER: 11.5 IN A/N: 482505	D3029				
KNOCK OUT POT, V-2500, LENGTH IS TANGENT TO TANGENT, WITH STEAM COIL, LENGTH: 25 FT; DIAMETER: 12 FT A/N: 482505	D3840				

- (1) Denotes RECLAIM emission factor
 - (2) Denotes RECLAIM emission rate
 - (3) Denotes RECLAIM concentration limit
 - (4) Denotes BACT emission limit
 - (5)(5A)(5B) Denotes command and control emission limit
 - (6) Denotes air toxic control rule
 - (7) Denotes NSR applicability limit
 - (8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAP, etc.)
 - (9) See App B for Emission Limits
 - (10) See Section J for NESHAP/MACT requirements
- ** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



**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:

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

[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, 11, 12, 14, 18, 19, 23; Process 21, System 13, 14, 16, 18]

S13.12 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
SOx	40CFR60, Subpart	Ja

This condition shall become effective upon startup of SRU No. 73 (Process 13, System 10)

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

[Systems subject to this condition : Process 13, System 1, 2, 4, 10]

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]



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:

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:

S1.5 The operator shall limit the production rate to no more than 235 long ton(s) in any one day.

The operator shall determine sulfur production on a daily basis.

The operator shall maintain records in a manner approved by the District to demonstrate compliance with this condition.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 2005, 5-6-2005]

[Systems subject to this condition: Process 13, System 10]

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 AQMD 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 3, System 1; Process 7, System 4; Process 12, System 28; Process 13, System 10, 11, 12, 13; Process 20, System 4, 7, 10, 31]



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:

S15.17 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 Tail Gas Treatment Unit For Claus Unit No. 70 (Process 13, System 9).

This process/system shall not be operated unless the tail gas treating unit 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 13, System 4]

S15.21 The vent gases from all affected devices of this process/system shall be vented as follows:

All acid gases shall be directed to Claus Unit No. 73 (Process 13, System 10).

This process/system shall not be operated unless the SRU 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 12, System 28; Process 13, System 11]

S15.22 The vent gases from all affected devices of this process/system shall be vented as follows:

All tail gas under normal operating conditions shall be directed to the Tail Gas Treatment Unit No. 73 (Process 13, System 11).

Vent gases may be directed to the Tail Gas Treatment Unit No. 73 Incinerator (Process 13, System 12) only during prescribed portions of a planned startup or planned shutdown.

Acid gas shall not be fed to this process/system unless the Tail Gas Treatment Unit No. 73 is in full use and has a valid permit to receive vent gases from this system.

This process/system shall not be operated unless the Incinerator 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 13, System 10]



**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:

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 sour gas treating unit(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; Process 10, System 1; Process 12, System 7; Process 20, System 4, 10, 28 , 29 , 30]

S15.15 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 Tail Gas Treatment Unit For Claus Unit No. 10 (Process 13, System 7).

This process/system shall not be operated unless the tail gas treating unit 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 13, System 1]

S15.16 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 Tail Gas Treatment Unit For Claus Unit No. 20 (Process 13, System 8).

This process/system shall not be operated unless the tail gas treating unit 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 13, System 2]



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:

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, 22, 23, 25, 26, 27 & 28)
- Sulfur Production (Process 13, System 10, 11)
- Air Pollution Control (Process: 20, System: 10 & 34)
- Miscellaneous (Process: 21, System: 13 & 18)

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

[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)
- Coker Depropanizer (Process: 10, System: 1)
- Treating and Stripping (Process: 12, System: 26, 27, 28)
- Sulfur Production (Process 13, System 10, 11)
- Vapor Gathering System (Process: 20, System: 18)

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



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:

S56.1 Vent gases from all affected devices of this process/system shall be directed to a gas recovery system, except for venting from those devices specifically indicated in a permit condition, and for the following vent gases which may be directed to a flare:

- 1) Vent gases during an emergency. For the purpose of this condition, emergency is defined in accordance Rule 1118(b)(2).
- 2) Vent gases during startups, shutdowns or turnarounds as defined in Rule 1118 provided that all flares have been operated in accordance with flaring minimization procedures as described in Rule 1118(c)(3); and
- 3) Vent gas due to essential operating needs, as defined in Rule 1118(b)(4)(A) that would result in a temporary fuel gas system imbalance, or as defined in Rule 1118(b)(4)(C) that would result in streams that cannot be recovered due to incompatibility with recovery system equipment or with refinery fuel gas systems, provided that all flares have been operated in accordance with flaring minimization procedures as described in Rule 1118(c)(3).

The flaring minimization procedures and any subsequent changes shall be submitted to the District as described in Rule 1118(c)(3).

This process/system shall not be operated unless its designated vapor recovery system and flare are in full use and have valid permits 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 12, System 28; Process 13, System 10, 11]

S18.1 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:

Treating & Stripping (Process: 12, System: 12, 13, 23, 24, 25, & 27)

Tail Gas Plants (Process: 13, System: 5 & 6)

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

[Systems subject to this condition: Process 13, System 1, 2, 4]



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:

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 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.



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:

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

S18.20 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:

Treating & Stripping (Process: 12, System: 12, 13, 23, 24, 25, 27 and 28)

Tail Gas Treatment Unit No 73 (Process: 13, System: 11)

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

[Systems subject to this condition: Process 13, System 10]

S18.21 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:

Sulfur Recovery - Claus Unit No. 73 (Process 13, System 10)

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

[Systems subject to this condition: Process 13, System 11]

S18.22 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:

Sulfur Recovery Unit No. 73 (Process 13, System 10)

Tail Gas Treatment Unit No. 73 (Process 13, System 11)

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

Systems subject to this condition: Process 13, System 12]

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, 467141, 467544, 467547 and 470739:

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



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:

A195.17 The 0.02 lb/MMBtu NO_x limit, which is based on the lower heating value (LHV) of the natural gas combusted in the incinerator, is averaged over 24 hours.

[RULE 2005, 5-6-2005]

[Devices subject to this condition: C4344]

A195.18 The 0.03 lb/MMBtu CO limit, which is based on the lower heating value (LHV) of the natural gas combusted in the incinerator, is averaged over 24 hours.

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

[Devices subject to this condition: C4344]

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

H₂S greater than 160 ppm by volume

The H₂S concentration limit shall be based on a rolling 3-hour averaging period.

The H₂S 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]

C1.146 The operator shall limit the firing rate to no more than 41.9 MM Btu per hour.

For the purpose of this condition, firing rate shall be defined as energy or heat input of natural gas to the equipment combustion chamber based on the higher heating value (HHV) of the natural gas used.

To comply with this condition, the operator shall install and maintain a(n) continuous monitoring system to accurately indicate the energy input being supplied to the heater.

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

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

[Devices subject to this condition: C4344]



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:

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 12, System 28; Process 13, System 11; Process 16, System 10; Process 20, System 37]

DEVICE CONDITIONS

A63.28 The operator shall limit emissions from this equipment as follows:

VOC - Less than or equal to 7.0 LBS IN ANY ONE DAY

PM10 - Less than or equal to 7.5 LBS IN ANY ONE DAY

The operator shall calculate the emission limit(s) for compliance determination purposes for VOC and PM10 based on at least three one-hour source tests using District-approved test methods for emission rates and natural gas usage as determined by a RECLAIM or Rule 218 certified fuel meter during the day of the test (0000 - 2400 hours).

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

[Devices subject to this condition: C4344]

A195.15 The 12 PPM SO₂ emission limit is averaged over 72 hours at 0% O₂, dry basis.

[RULE 2005, 5-6-2005]

[Devices subject to this condition: D4321]

A195.16 The 2.5 ppmv H₂S emission limit is averaged over 24 hours at 0% O₂, dry basis.

[RULE 2005, 5-6-2005]

[Devices subject to this condition: D4321]



**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:

[RULE 2005, 5-6-2005]

[Devices subject to this condition: C4346]

D29.11 The operator shall conduct source test(s) for the pollutant(s) identified below.

Pollutant(s) to be tested	Required Test	Averaging Time	Test Location
NOx emissions	District Method 100.1	1 hour	Outlet of Scrubber
SOx emissions	District Method 100.1 or 6.1	1 hour	Outlet of Scrubber
CO emissions	District Method 100.1 or 10.1	1 hour	Outlet of Scrubber
ROG emissions	District Method 25.1 or 25.3	1 hour	Outlet of Scrubber
PM emissions	Approved District Method	District-approved averaging time	Outlet of Scrubber
PM10 emissions	Approved District Method	District-approved averaging time	Outlet of Scrubber
Acetaldehyde and Formaldehyde	Approved District Method	District-approved averaging time	Outlet of Scrubber
Benzene, Toluene, Ethyl benzene, and xylene	Approved District Method	District-approved averaging time	Outlet of Scrubber
COS, CS2, and H2S	Approved District Method	District-approved averaging time	Outlet of Scrubber
NH3	Approved District Method	District-approved averaging time	Outlet of Scrubber

The test shall be conducted when this equipment is operating at 80 percent or greater of the maximum design capacity. If the equipment is not capable of operating at this required load, then the source test may be conducted at a lower load and the operation of the equipment limited to 115% of the level at which the source test was conducted until an additional source test is conducted at a higher operating rate.

The test(s) shall be conducted within 90 days after achieving maximum production rate, but no later than 180 cumulative days of operation after initial start-up.

The test shall be conducted to determine the concentration and report the mass emission rate in pounds per hour for NOx, SOx, ROG, CO, Total PM, PM10 and the following compounds: Acetaldehyde, Benzene, Formaldehyde, Toluene, Ethyl Benzene, Xylene, COS, CS2, H2S, and NH3.

The District shall be notified of the date and time of the test at least 10 days prior to the test.

The test shall be conducted to determine the oxygen concentration.

The test(s) shall be conducted at least annually after the initial source test for NOx, SOx, CO, O2, COS, CS2, H2S, and NH3.



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:

C8.19 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, is not less than 1450 Deg F.

The temperature limit is average over 15 minutes.

To comply with this condition, the operator shall install and maintain a(n) temperature reading device to accurately indicate the temperature in the thermal oxidation chamber

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

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

[Devices subject to this condition: C4344]

C8.20 The operator shall use this equipment in such a manner that the flow rate being monitored, as indicated below, is not less than 1900 gpm.

The flow limit is average over 15 minutes.

To comply with this condition, the operator shall install and maintain a(n) flow meter to accurately indicate the flow rate of the recirculating caustic solution.

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

The continuous monitoring system shall include visual and audio alarms.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

[RULE 2005, 5-6-2005]

[Devices subject to this condition: C4346]

C8.21 The operator shall use this equipment in such a manner that the pH being monitored, as indicated below, is not less than 6.5 of the pH scale.

The pH limit is average over 15 minutes.

To comply with this condition, the operator shall install and maintain a pH meter to accurately indicate the pH of the recirculating caustic solution.

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

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.



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:

D82.12 The operator shall install and maintain a CEMS to measure the following parameters:

NO_x concentration in ppmv

SO_x concentration in ppmv

Oxygen concentration in percent volume

The CEMS shall convert the NO_x concentrations to mass emission rates (lbs/mmBtu of natural gas combusted) on a continuous basis. The natural gas firing rate shall be determined by a RECLAIM or Rule 218 certified fuel meter and the low heating value (LHV) of the natural gas.

[RULE 2005, 5-6-2005]

[Devices subject to this condition: C4344]

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 a 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]



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:

The test(s) shall be conducted at least every three years after the initial source test for ROG, PM10, and total PM and O2.

The test shall be conducted for NOx, SOx and CO (for initial and subsequent testing) until their CEMS are Rule 218 or Reclaim certified. Once certified, source test data may be substituted with CEMS data.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1401, 3-5-2005; RULE 2005, 4-20-2001; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 407, 4-2-1982]

[Devices subject to this condition: C4344]

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]

D82.11 The operator shall install and maintain a CEMS to measure the following parameters:

CO concentration in ppmv

Oxygen concentration in percent volume

The CEMS shall be approved, operated and maintained in accordance with the requirements of Rule 218.

The CEMS shall convert the CO concentrations to mass emission rates (lbs/mmBtu of natural gas combusted) on a continuous basis. The natural gas firing rate shall be determined by a RECLAIM or Rule 218 certified fuel meter and the low heating value (LHV) of the natural gas.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 407, 4-2-1982]

[Devices subject to this condition: C4344]



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:

E336.15 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 Tail Gas Treatment Unit No. 73 Incinerator (Process 13, System 12)

This process/system shall not be operated unless the TGTU Incinerator 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]

[Devices subject to this condition: D4333]

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

VOC – District Rule 1173

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

[Devices subject to this condition : D3576, D3577, D3581, D3584, D3586, D3588, D3595, D3610, D3631, D3635, D3640, D3642, D3643, D3644, D3645, D3646, D3649, D3650, D3651, D3654, D3655, D3656, D3657, D3659, D3660, D3661, D3662, D3663, D3664, D3665, D3666, D3667, D3668, D3669, D3670, D3678, D3679, D3680, D3681, D3682, D3684, D3685, D3691, D3692, D3693, D3694, D3760, D3802, D3866, D4086, D4087, D4088, D4310].

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

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 : D3577, D3579, D3580, D3581, D3583, D3587, D3613, D3622, D3634, D3636, D3637, D3638, D3639, D3675, D3676, D3679, D3686, D3803, D3921, D3969, D4085, D4107, D4208]



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:

E71.27 The operator shall not use this equipment when all of the blowers K-101, K-102, K-201 and K-202 are operating simultaneously together. This equipment shall only be used as a spare unit.

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

[Devices subject to this condition: D3835]

E71.28 The operator shall not use this equipment when all of the blowers K-701 and K-751 are operating simultaneously together. This equipment shall only be used as a spare unit.

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

[Devices subject to this condition: D3836]

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]

E129.3 The operator shall only dispose spent caustic from this equipment to a spent caustic treatment system or an acceptable treatment or disposal site.

[RULE 2005, 4-20-2001]

[Devices subject to this condition : C4346]

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]



**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:

L341.2 Within one year after start-up of this equipment, the following device(s) shall be removed from operation:

Compressor K-2002 identified by Device No. D1782

Compressor K-2003 identified by Device No. D1783

Compressor K-2004 identified by Device No. D1784

Startup as used in this condition shall mean initial use or operation of the equipment after its installation.

During the start-up period, the old compressors (D1782, D1783 & D1784) and the new compressors (D4211, D4212 & D4213) shall not be operated simultaneously for a cumulative total of more than 90 days. Records shall be kept to show compliance with this condition.

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

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



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:

H23.44 This equipment is subject to the applicable requirements of the following rules or regulations:

H2S - 40 CFR 60, Subpart J

[40CFR 60 Subpart J, 6-24-2008; CONSENT DECREE CIVIL NO. C 03-04650
CRB, 6-27-2005]

[Devices subject to this condition: D20, D453, D502, D504, C1746, C1757, C2158,
C3012, C3493]

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

SOX - District Rule 1118

[RULE 1118, 11-4-2005]

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

K171.17 The operator shall provide to the District the following items:

Final drawings and/or specifications of the equipment installed/constructed/modified, including but not limited to PFD, P&ID and revisions/updates, shall be submitted to the SCAQMD within 60 days after completion of the project.

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

[Devices subject to this condition: D471, D472, D473, D1929, D1930, C1967, D3031,
D3342, D3631, D3955, D4305 - D4335, C4336, D4337-D4343, C4344, D4345, D4346]