

FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

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/ Monitoring Unit | Emissions * And Requirements | Conditions |
|--|--------|--------------|---|--|----------------------------|
| Process 1: CRUDE OIL/GAS PRODUCTION | | | | | |
| System 1: PROCESS HEATERS | | | | | |
| HEATER, #1, HYDROCARBON PRESSURE VESSEL, FIELD GAS, PROCESS GAS, VENTED TO VAPOR RECOVERY SYSTEM, 1.98 MMBTU/HR A/N: 487170 | D135 | | NOX: PROCESS UNIT** | CO: 400 PPMV (5A) [RULE 1146.2, 5-5-2006]; CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; H2S: 10 PPMV FIELD GAS (5) [RULE 219, 6-1-2007]; H2S: 10 PPMV PROCESS GAS (5) [RULE 219, 6-1-2007]; NOX: 130 LBS/MMSCF PROCESS GAS (1) [RULE 2012, 5-6-2005]; NOX: 130 LBS/MMSCF FIELD GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981] | B59.2, D90.2, E57.1, H23.7 |
| HEATER, #2, HYDROCARBON PRESSURE VESSEL, FIELD GAS, PROCESS GAS, VENTED TO VAPOR RECOVERY SYSTEM, 1.98 MMBTU/HR A/N: 487170 | D136 | | NOX: PROCESS UNIT** | CO: 400 PPMV (5A) [RULE 1146.2, 5-5-2006]; CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; H2S: 10 PPMV PROCESS GAS (5) [RULE 219, 6-1-2007]; H2S: 10 PPMV FIELD GAS (5) [RULE 219, 6-1-2007]; NOX: 130 LBS/MMSCF FIELD GAS (1) [RULE 2012, 5-6-2005]; NOX: 130 LBS/MMSCF PROCESS GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981] | B59.2, D90.2, E57.1, H23.7 |

* (1) (1A) (1B) Denotes RECLAIM emission factor
 (2) (2A) (2B) 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 limit
 (7) Denotes NSR applicability limit
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, 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.

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| Process 1: CRUDE OIL/GAS PRODUCTION | | | | | |
| HEATER, #3, HYDROCARBON PRESSURE VESSEL, FIELD GAS, PROCESS GAS, VENTED TO VAPOR RECOVERY SYSTEM, 1.98 MMBTU/HR A/N: 487170 | D138 | | NOX: PROCESS UNIT** | CO: 400 PPMV (5A) [RULE 1146.2, 5-5-2006]; CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; H2S: 10 PPMV FIELD GAS (5) [RULE 219, 6-1-2007]; H2S: 10 PPMV PROCESS GAS (5) [RULE 219, 6-1-2007]; NOX: 130 LBS/MMSCF PROCESS GAS (1) [RULE 2012, 5-6-2005]; NOX: 130 LBS/MMSCF FIELD GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981] | B59.2, D90.2, E57.1, H23.7 |
| HEATER, #4, HYDROCARBON PRESSURE VESSEL, FIELD GAS, PROCESS GAS, VENTED TO VAPOR RECOVERY SYSTEM, 1.98 MMBTU/HR A/N: 487170 | D139 | | NOX: PROCESS UNIT** | CO: 400 PPMV (5A) [RULE 1146.2, 5-5-2006]; CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; H2S: 10 PPMV FIELD GAS (5) [RULE 219, 6-1-2007]; H2S: 10 PPMV PROCESS GAS (5) [RULE 219, 6-1-2007]; NOX: 130 LBS/MMSCF PROCESS GAS (1) [RULE 2012, 5-6-2005]; NOX: 130 LBS/MMSCF FIELD GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981] | B59.2, D90.2, E57.1, H23.7 |
| System 2: CRUDE OIL/GAS/WATER SEPARATION | | | | | |
| DRUM, KNOCKOUT, VENTED TO VAPOR RECOVERY SYSTEM, LENGTH: 30 FT ; DIAMETER: 10 FT A/N: 487170 | D45 | | | | E57.1 |

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

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|--|--------|--------------|---|---------------------------------|----------------------|
| Process 1: CRUDE OIL/GAS PRODUCTION | | | | | |
| DRUM, KNOCKOUT, VENTED TO VAPOR RECOVERY SYSTEM, LENGTH: 30 FT ; DIAMETER: 10 FT A/N: 487170 | D46 | | | | E57.1 |
| DRUM, KNOCKOUT, VENTED TO VAPOR RECOVERY SYSTEM, LENGTH: 30 FT ; DIAMETER: 10 FT A/N: 487170 | D47 | | | | E57.1 |
| DRUM, KNOCKOUT, VENTED TO VAPOR RECOVERY SYSTEM, LENGTH: 30 FT ; DIAMETER: 10 FT A/N: 487170 | D132 | | | | E57.1 |
| DRUM, KNOCKOUT, VENTED TO VAPOR RECOVERY SYSTEM, LENGTH: 30 FT ; DIAMETER: 10 FT A/N: 487170 | D133 | | | | E57.1 |
| DRUM, KNOCKOUT, VENTED TO VAPOR RECOVERY SYSTEM, LENGTH: 50 FT ; DIAMETER: 10 FT A/N: 487170 | D134 | | | | E57.1 |
| DRUM, FLOW SPLITTER, LENGTH: 50 FT ; DIAMETER: 10 FT A/N: 487170 | D140 | | | | |
| TANK, NO. 901, OIL/WATER PROCESSING, VENTED TO VAPOR RECOVERY SYSTEM, 2000 BBL; DIAMETER: 30 FT ; HEIGHT: 16 FT A/N: 487170 | D59 | | | | E57.1, E127.1, H23.4 |
| TANK, NO. 902, OIL/WATER PROCESSING, VENTED TO VAPOR RECOVERY SYSTEM, 2000 BBL; DIAMETER: 30 FT ; HEIGHT: 16 FT A/N: 487170 | D60 | | | | E57.1, E127.1, H23.4 |

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| <ul style="list-style-type: none"> * (1) (1A) (1B) 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 | <ul style="list-style-type: none"> (2) (2A) (2B) Denotes RECLAIM emission rate (4) Denotes BACT emission limit (6) Denotes air toxic control rule limit (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.) (10) See section J for NESHAP/MACT requirements |
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|--|--------|--------------|---|---------------------------------|-------------------------|
| Process 1: CRUDE OIL/GAS PRODUCTION | | | | | |
| TANK, NO. 906, OIL/WATER PROCESSING, VENTED TO VAPOR RECOVERY SYSTEM, 2000 BBL; DIAMETER: 30 FT ; HEIGHT: 16 FT A/N: 487170 | D64 | | | | E57.1, E127.1, H23.4 |
| TANK, NO. 907, OIL/WATER PROCESSING, VENTED TO VAPOR RECOVERY SYSTEM, 2000 BBL; DIAMETER: 30 FT ; HEIGHT: 16 FT A/N: 487170 | D65 | | | | E57.1, E127.1, H23.4 |
| TANK, NO. 908, OIL/WATER PROCESSING, VENTED TO VAPOR RECOVERY SYSTEM, 2000 BBL; DIAMETER: 30 FT ; HEIGHT: 16 FT A/N: 487170 | D66 | | | | E57.1, E127.1, H23.4 |
| TANK, WASH, WASH TANK NO. 5, VENTED TO VAPOR RECOVERY SYSTEM, 3000 BBL; DIAMETER: 30 FT ; HEIGHT: 24 FT A/N: 487170 | D68 | | | | E57.1, E127.1, H23.4 |
| STORAGE TANK, FIXED ROOF, POWER OIL TANK NO. 1, POWER OIL, VENTED TO VAPOR RECOVERY SYSTEM, 3000 BBL; DIAMETER: 30 FT ; HEIGHT: 24 FT A/N: 487170 | D38 | | | | E57.1, E127.1, H23.4 |
| STORAGE TANK, FIXED ROOF, POWER OIL TANK NO. 2, POWER OIL, VENTED TO VAPOR RECOVERY SYSTEM, 3000 BBL; DIAMETER: 30 FT ; HEIGHT: 24 FT A/N: 487170 | D39 | | | | E57.1, E127.1, H23.4 |

- * (1) (1A) (1B) 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) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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|---|--------|--------------|---|---------------------------------|----------------------|
| Process 1: CRUDE OIL/GAS PRODUCTION | | | | | |
| STORAGE TANK, FIXED ROOF, POWER OIL NO. 3, POWER OIL, VENTED TO VAPOR RECOVERY SYSTEM, 3000 BBL; DIAMETER: 30 FT ; HEIGHT: 24 FT A/N: 487170 | D69 | | | | E57.1, E127.1, H23.4 |
| SUMP, FOR EMERGENCY AND STORMWATER USE ONLY, WIDTH: 15 FT ; DEPTH: 8 FT ; LENGTH: 15 FT A/N: 487170 | D51 | | | | H23.3 |
| SUMP, FOR EMERGENCY AND STORMWATER USE ONLY, WIDTH: 15 FT ; DEPTH: 8 FT ; LENGTH: 15 FT A/N: 487170 | D52 | | | | H23.3 |
| SUMP, COVERED, VENTED TO VAPOR RECOVERY SYSTEM, WIDTH: 6 FT 10 IN; DEPTH: 7 FT 3 IN; LENGTH: 8 FT 9 IN A/N: 487170 | D137 | | | | E57.1, H23.3 |
| TANK, #922, DRAIN TANK, VENTED TO CARBON ADSORBER, 71 BBL; DIAMETER: 8 FT ; HEIGHT: 8 FT A/N: 487170 | D183 | C180 | | | E57.2, E127.1, H23.8 |
| System 3: WASTE WATER TREATMENT | | | | | |
| POT, CONDENSATE TRAP, IN HYDROCARBON GATHERING AND VAPOR RECOVERY SYSTEM, HEIGHT: 10 FT ; DIAMETER: 3 FT A/N: 490356 | D35 | | | | |

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 (2) (2A) (2B) 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 limit
 (7) Denotes NSR applicability limit
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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| Process 1: CRUDE OIL/GAS PRODUCTION | | | | | |
| POT, CONDENSATE TRAP, IN HYDROCARBON GATHERING AND VAPOR RECOVERY SYSTEM, HEIGHT: 10 FT ; DIAMETER: 3 FT A/N: 490356 | D36 | | | | |
| STORAGE TANK, FIXED ROOF, NORTH SKIM, WASTE WATER, VENTED TO VAPOR RECOVERY SYSTEM, 2000 BBL; DIAMETER: 30 FT ; HEIGHT: 16 FT A/N: 490356 | D40 | | | | E57.1, E127.1, H23.1 |
| STORAGE TANK, FIXED ROOF, SOUTH SKIM, WASTE WATER, VENTED TO VAPOR RECOVERY SYSTEM, 2000 BBL; DIAMETER: 30 FT ; HEIGHT: 16 FT A/N: 490356 | D41 | | | | E57.1, E127.1, H23.1 |
| STORAGE TANK, FIXED ROOF, FILTERED WATER, VENTED TO VAPOR RECOVERY SYSTEM, 3000 BBL; DIAMETER: 30 FT ; HEIGHT: 24 FT A/N: 490356 | D42 | | | | E57.1, E127.1, H23.1 |
| FLOATATION UNIT, NORTH, TANK #935, VENTED TO VAPOR RECOVERY SYSTEM, 0 BBL; DIAMETER: 30 FT ; HEIGHT: 24 FT A/N: 490356 | D43 | | | | E17.1, E57.1, E127.1, H23.1 |
| FLOATATION UNIT, INDUCED STATIC, VENTED TO VAPOR RECOVERY, 100000 BBL; DIAMETER: 10 FT 6 IN; LENGTH: 40 FT A/N: 490356 | D185 | | | | E17.1, E57.1, E127.1, H23.1 |

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| Process 1: CRUDE OIL/GAS PRODUCTION | | | | | |
| FLOATATION UNIT, SOUTH, TANK #936, VENTED TO VAPOR RECOVERY SYSTEM, 3000 BBL; DIAMETER: 30 FT ; HEIGHT: 24 FT A/N: 490356 | D44 | | | | E57.1, H23.1 |
| STORAGE TANK, EMERGENCY WATER, VENTED TO VAPOR RECOVERY SYSTEM, 6667 BBL; DIAMETER: 55 FT ; HEIGHT: 16 FT A/N: 490356 | D130 | | | | E57.1, E127.1, H23.1 |
| TANK, #939, FLOAT CELL SKIM TANK, VENTED TO VAPOR RECOVERY, HEIGHT: 6 FT ; DIAMETER: 6 FT A/N: 490356 | D182 | | | | E57.1, E127.1, H23.1 |
| Process 2: VAPOR RECOVERY/FUEL GAS TREATMENT | | | | | |
| SCRUBBER, GAS, VENTED TO VAPOR RECOVERY SYSTEM, HEIGHT: 15 FT ; DIAMETER: 4 FT 6 IN A/N: 490362 | D148 | | | | |
| SCRUBBER, GAS, VENTED TO VAPOR RECOVERY SYSTEM, HEIGHT: 10 FT ; DIAMETER: 2 FT 6 IN A/N: 490362 | D149 | | | | |
| SCRUBBER, GAS, VENTED TO VAPOR RECOVERY SYSTEM, HEIGHT: 11 FT ; DIAMETER: 2 FT 6 IN A/N: 490362 | D150 | | | | |

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 (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 limit
 (7) Denotes NSR applicability limit
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (9) See App B for Emission Limits
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|---|--------|--------------|---|---------------------------------|------------|
| Process 2: VAPOR RECOVERY/FUEL GAS TREATMENT | | | | | |
| SCRUBBER, GAS, VENTED TO VAPOR RECOVERY SYSTEM, HEIGHT: 12 FT ; DIAMETER: 2 FT 6 IN A/N: 490362 | D151 | | | | |
| SCRUBBER, GAS, VENTED TO VAPOR RECOVERY SYSTEM, HEIGHT: 12 FT ; DIAMETER: 2 FT 6 IN A/N: 490362 | D152 | | | | |
| SCRUBBER, GAS, VENTED TO VAPOR RECOVERY SYSTEM, HEIGHT: 8 FT ; DIAMETER: 3 FT A/N: 490362 | D153 | | | | |
| SCRUBBER, GAS, VENTED TO VAPOR RECOVERY SYSTEM, HEIGHT: 7 FT ; DIAMETER: 3 FT A/N: 490362 | D154 | | | | |
| VESSEL, SULFATREAT, VENTED TO VAPOR RECOVERY SYSTEM, HEIGHT: 27 FT ; DIAMETER: 7 FT A/N: 490362 | D155 | | | | |
| VESSEL, SULFATREAT, VENTED TO VAPOR RECOVERY SYSTEM, HEIGHT: 27 FT ; DIAMETER: 7 FT A/N: 490362 | D156 | | | | |
| VESSEL, FREE WATER KNOCKOUT, GAS DEHYDRATION, VENTED TO VAPOR RECOVERY SYSTEM, HEIGHT: 8 FT ; DIAMETER: 4 FT A/N: 490362 | D157 | | | | |

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- (3) Denotes RECLAIM concentration limit
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- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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|---|--------|--------------|---|---------------------------------|------------|
| Process 2: VAPOR RECOVERY/FUEL GAS TREATMENT | | | | | |
| VESSEL, COOLANT, VENTED TO VAPOR RECOVERY SYSTEM, HEIGHT: 6 FT 6 IN; DIAMETER: 3 FT A/N: 490362 | D158 | | | | |
| SCRUBBER, SUCTION, GAS, VENTED TO VAPOR RECOVERY SYSTEM, HEIGHT: 6 FT ; DIAMETER: 1 FT A/N: 490362 | D159 | | | | |
| SCRUBBER, DISCHARGE, GAS, VENTED TO VAPOR RECOVERY SYSTEM, HEIGHT: 7 FT ; DIAMETER: 2 FT A/N: 490362 | D160 | | | | |
| GAS SEPARATOR, V10, HEIGHT: 7 FT 6 IN; DIAMETER: 1 FT 2 IN A/N: 490362 | D174 | | | | |
| ABSORBER, V-21, CO2, HEIGHT: 7 FT 4 IN; DIAMETER: 3 FT 7 IN A/N: 490362 | D175 | | | | |
| ABSORBER, V-22, CO2, HEIGHT: 7 FT 4 IN; DIAMETER: 3 FT 7 IN A/N: 490362 | D176 | | | | |
| ABSORBER, V-23, CO2, HEIGHT: 7 FT 4 IN; DIAMETER: 3 FT 7 IN WITH COMPRESSOR, 125 HP ELECTRIC VACUUM COMPRESSOR | D177 | | | | |
| KNOCKOUT BOX, V-20, HEIGHT: 5 FT 6 IN; DIAMETER: 1 FT 4 IN A/N: 490362 | D178 | | | | |
| Process 3: PETROLEUM STORAGE | | | | | |

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|---|---|
| <p>* (1) (1A) (1B) 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</p> | <p>(2) (2A) (2B) Denotes RECLAIM emission rate (4) Denotes BACT emission limit (6) Denotes air toxic control rule limit (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.) (10) See section J for NESHAP/MACT requirements</p> |
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| Process 3: PETROLEUM STORAGE | | | | | |
| STORAGE TANK, FIXED ROOF, WEST SLOP, CRUDE OIL, VENTED TO CARBON ADSORBER, 2200 BBL; DIAMETER: 33 FT ; HEIGHT: 18 FT A/N: 487168 | D27 | C180 | | | E57.2, E127.1, H23.4 |
| STORAGE TANK, FIXED ROOF, EAST SLOP, CRUDE OIL, VENTED TO CARBON ADSORBER, 2000 BBL; DIAMETER: 30 FT ; HEIGHT: 16 FT A/N: 487169 | D28 | C180 | | | E57.2, E127.1, H23.4 |
| CARBON ADSORBER, PRIMARY, 1000 LBS A/N: 487165 | C180 | D27 D28 C181 D183 | | | D12.3, D90.1, E153.1, E193.1, K67.3 |
| CARBON ADSORBER, SECONDARY, 1000 LBS A/N: 487165 | C181 | C180 | | | D90.1, E153.2, E193.1, K67.3 |
| STORAGE TANK, FIXED ROOF, CRUDE OIL & GROUNDWATER HOLDING/STORAGE, 2500 GALS; DIAMETER: 7 FT 1.92 IN; HEIGHT: 8 FT 3.48 IN A/N: | D187 | | | | |
| Process 4: FUGITIVE EMISSIONS | | | | | |
| FUGITIVE EMISSIONS, COMPRESSORS, IN HYDROCARBON GATHERING AND VAPOR RECOVERY SERVICE A/N: 490362 | D70 | | | | H23.5 |
| FUGITIVE EMISSIONS, VALVES A/N: 487170 | D71 | | | | H23.5 |
| FUGITIVE EMISSIONS, PRV A/N: 225230 | D72 | | | | H23.5 |

- * (1) (1A) (1B) 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) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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|--|--------|-------------------|---|---|--|
| Process 4: FUGITIVE EMISSIONS | | | | | |
| FUGITIVE EMISSIONS, PUMPS, IN NON-RULE 466 SERVICE A/N: 487170 | D163 | | | | H23.5 |
| FUGITIVE EMISSIONS, FLANGES A/N: 487170 | D164 | | | | H23.5 |
| FUGITIVE EMISSIONS, DRAINS A/N: 487170 | D165 | | | | H23.3 |
| Process 5: GAS ODORIZATION | | | | | |
| VESSEL, ODORANT STORAGE, NJEX, MODEL 6200G, 20 GALS, LENGTH: 2 FT 5 IN; DIAMETER: 1 FT 2 IN A/N: 317584 | D170 | C173 | | | E175.1, E179.1, E179.2, K67.2 |
| VESSEL, EXPANSION TANK, NJEX, MODEL 6200G, 5.4 GALS, LENGTH: 1 FT 4 IN; DIAMETER: 10 IN A/N: 317584 | D171 | C173 | | | E175.1, E179.1, E179.2 |
| ODORANT DISPENSING EQUIPMENT, ELECTRIC PUMP, NJEX, MODEL 6000, WITH CONTROLLER, MODEL N200 A/N: 317584 | D172 | C173 | | | E175.1, E179.1, E179.2 |
| CARBON FILTER, MODEL C4-0024 A/N: 317584 | C173 | D170 D171 D172 | | | E179.1, E179.2, E224.1, E224.2, K48.2, K67.2 |
| Process 6: R-219 EXEMPT EQUIPMENT SUBJECT TO SOURCE SPECIFIC RULES | | | | | |
| RULE 219 EXEMPT EQUIPMENT, EQUIPMENT AND TOOL SOLVENT CLEANING, EXEMPT HAND WIPING OPERATIONS | E166 | | | VOC: (9) [RULE 1171, 11-7-2003; RULE 1171, 5-1-2009] | |

- * (1) (1A) (1B) 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) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, 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 TIDELANDS OIL PRODUCTION CO

SECTION D: DEVICE ID INDEX

**The following sub-section provides an index
to the devices that make up the facility
description sorted by device ID.**

FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

SECTION D: DEVICE ID INDEX

| Device Index For Section D | | | |
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| Device ID | Section D Page No. | Process | System |
| D27 | 10 | 3 | 0 |
| D28 | 10 | 3 | 0 |
| D35 | 5 | 1 | 3 |
| D36 | 6 | 1 | 3 |
| D38 | 4 | 1 | 2 |
| D39 | 4 | 1 | 2 |
| D40 | 6 | 1 | 3 |
| D41 | 6 | 1 | 3 |
| D42 | 6 | 1 | 3 |
| D43 | 6 | 1 | 3 |
| D44 | 7 | 1 | 3 |
| D45 | 2 | 1 | 2 |
| D46 | 3 | 1 | 2 |
| D47 | 3 | 1 | 2 |
| D51 | 5 | 1 | 2 |
| D52 | 5 | 1 | 2 |
| D59 | 3 | 1 | 2 |
| D60 | 3 | 1 | 2 |
| D64 | 4 | 1 | 2 |
| D65 | 4 | 1 | 2 |
| D66 | 4 | 1 | 2 |
| D68 | 4 | 1 | 2 |
| D69 | 5 | 1 | 2 |
| D70 | 10 | 4 | 0 |
| D71 | 10 | 4 | 0 |
| D72 | 10 | 4 | 0 |
| D130 | 7 | 1 | 3 |
| D132 | 3 | 1 | 2 |
| D133 | 3 | 1 | 2 |
| D134 | 3 | 1 | 2 |
| D135 | 1 | 1 | 1 |
| D136 | 1 | 1 | 1 |
| D137 | 5 | 1 | 2 |
| D138 | 2 | 1 | 1 |
| D139 | 2 | 1 | 1 |

FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

SECTION D: DEVICE ID INDEX

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| D140 | 3 | 1 | 2 |
| D146 | 12 | 7 | 0 |
| D148 | 7 | 2 | 0 |
| D149 | 7 | 2 | 0 |
| D150 | 7 | 2 | 0 |
| D151 | 8 | 2 | 0 |
| D152 | 8 | 2 | 0 |
| D153 | 8 | 2 | 0 |
| D154 | 8 | 2 | 0 |
| D155 | 8 | 2 | 0 |
| D156 | 8 | 2 | 0 |
| D157 | 8 | 2 | 0 |
| D158 | 9 | 2 | 0 |
| D159 | 9 | 2 | 0 |
| D160 | 9 | 2 | 0 |
| D163 | 11 | 4 | 0 |
| D164 | 11 | 4 | 0 |
| D165 | 11 | 4 | 0 |
| E166 | 11 | 6 | 0 |
| E167 | 12 | 6 | 0 |
| E169 | 12 | 6 | 0 |
| D170 | 11 | 5 | 0 |
| D171 | 11 | 5 | 0 |
| D172 | 11 | 5 | 0 |
| C173 | 11 | 5 | 0 |
| D174 | 9 | 2 | 0 |
| D175 | 9 | 2 | 0 |
| D176 | 9 | 2 | 0 |
| D177 | 9 | 2 | 0 |
| D178 | 9 | 2 | 0 |
| C180 | 10 | 3 | 0 |
| C181 | 10 | 3 | 0 |
| D182 | 7 | 1 | 3 |
| D183 | 5 | 1 | 2 |
| D185 | 6 | 1 | 3 |

**FACILITY PERMIT TO OPERATE
TIDELANDS OIL PRODUCTION CO
SECTION D: DEVICE ID INDEX**

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| D187 | 10 | 3 | 0 |

FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

FACILITY CONDITIONS

F1.1 The operator shall limit the fuel usage to no more than 679,00 cubic feet per day.

To comply with this condition, the operator shall install and maintain a(n) flow meter to accurately indicate the fuel usage at the equipment fuel supply line.

For the purpose of this condition, fuel usage shall be defined as the quantity of fuel gas burned in the facility. Fuel gas burned in this facility shall be exclusively gases produced and treated at facilities in compliance with Rule 431.1 or exempt from Rule 431.1 requirements as identified in their respective permits. The purpose of recording the fuel usage in the facility is to verify if the exemption from 431.1 for facilities emitting less than 5 pounds per day sulfur compounds as H₂S is met at all times.

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

[RULE 431.1, 6-12-1998]

F9.1 Except for open abrasive blasting operations, the operator shall not discharge into the atmosphere from any single source of emissions whatsoever any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:

(a) As dark or darker in shade as that designated No.1 on the Ringelmann Chart, as published by the United States Bureau of Mines; or

(b) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in subparagraph (a) of this condition.

[RULE 401, 3-2-1984; RULE 401, 11-9-2001]

FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

DEVICE CONDITIONS

B. Material/Fuel Type Limits

B59.1 The operator shall not use the following material(s) in this device :

Fuel whose composition is different from that submitted with the application package for this equipment

[RULE 431.1, 6-12-1998]

[Devices subject to this condition : D146]

B59.2 The operator shall not use the following material(s) in this device :

Fuel gas containing sulfur compounds calculated as hydrogen sulfide in excess of 40 ppmv, averaged over a period of 4 hours.

[RULE 431.1, 6-12-1998]

[Devices subject to this condition : D135, D136, D138, D139, D146]

C. Throughput or Operating Parameter Limits

C1.1 The operator shall limit the fuel usage to no more than 2.4 MM cubic feet per day.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[Devices subject to this condition : D146]

D. Monitoring/Testing Requirements

D12.1 The operator shall install and maintain a(n) non-resettable totalizing fuel meter to accurately indicate the fuel usage of the steam generator.

[**RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002**]

[Devices subject to this condition : D146]

D12.3 The operator shall install and maintain a(n) flow meter to accurately indicate the flow rate at the inlet to the primary activated carbon filter.

[**RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002**]

[Devices subject to this condition : C180]

D90.1 The operator shall periodically analyze the VOC concentration at the inlet of the primary carbon adsorber, and the inlet and outlet of the secondary carbon adsorber according to the following specifications:

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

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

The operator shall analyze once every week.

[**RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002**]

FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[Devices subject to this condition : C180, C181]

D90.2 The operator shall monitor and record the the concentration of sulfur compounds as H₂S in the in the equipment according to the following specifications:

The concentration of sulfur compounds as H₂S in the fuel gas shall be measured at the equipment inlet, prior of burning the fuel gas, at least once a day, using a colorimetric indicating tube or equivalent method.

The concentration of sulfur compounds as H₂S measured at the equipment inlet shall not exceed 40 ppmv.

[RULE 431.1, 6-12-1998]

[Devices subject to this condition : D135, D136, D138, D139, D146]

E. Equipment Operation/Construction Requirements

E17.1 The operator shall not use more than 1 of the following items simultaneously:

Device ID: D43 [FLOATATION UNIT]

Device ID: D185 [FLOATATION UNIT]

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 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D43, D185]

FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

E57.1 The operator shall vent this equipment to a vapor recovery/balance system which is in full use whenever it is in operation.

[**RULE 1303(a)(1)-BACT, 5-10-1996**; **RULE 1303(a)(1)-BACT, 12-6-2002**]

[Devices subject to this condition : D38, D39, D40, D41, D42, D43, D44, D45, D46, D47, D59, D60, D64, D65, D66, D68, D69, D130, D132, D133, D134, D135, D136, D137, D138, D139, D182, D185]

E57.2 The operator shall vent this equipment to the activated carbon adsorber system whenever it is in operation.

The activated carbon adsorber system shall consist of a primary adsorber (C180) and a secondary adsorber (C181) connecting to each other in series.

[**RULE 1148.1, 3-5-2004**; **RULE 1303(a)(1)-BACT, 5-10-1996**; **RULE 1303(a)(1)-BACT, 12-6-2002**; **RULE 463, 5-6-2005**]

[Devices subject to this condition : D27, D28, D183]

E127.1 The operator shall keep gauge/sample hatches closed except during actual gauging/sampling operations.

[**RULE 1303(a)(1)-BACT, 5-10-1996**; **RULE 1303(a)(1)-BACT, 12-6-2002**; **RULE 463, 5-6-2005**]

[Devices subject to this condition : D27, D28, D38, D39, D40, D41, D42, D43, D59, D60, D64, D65, D66, D68, D69, D130, D182, D183, D185]

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

FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

For the purpose of this condition, breakthrough occurs when the hydrocarbon monitor reading indicates a concentration of 150 ppmv at the outlet of primary carbon adsorber.

[RULE 1148.1, 3-5-2004; **RULE 1303(a)(1)-BACT, 5-10-1996**; RULE 1303(a)(1)-BACT, 12-6-2002; **RULE 463, 5-6-2005**]

[Devices subject to this condition : C180]

E153.2 The operator shall change over the carbon in the adsorber whenever breakthrough occurs.

For the purpose of this condition, breakthrough occurs when the hydrocarbon monitor reading indicates a concentration of 30 ppmv at the outlet of the secondary carbon adsorber.

[RULE 1148.1, 3-5-2004; **RULE 1303(a)(1)-BACT, 5-10-1996**; RULE 1303(a)(1)-BACT, 12-6-2002; **RULE 463, 5-6-2005**]

[Devices subject to this condition : C181]

E175.1 The operator shall not use this equipment unless all exhaust air passes through the following:

Activated carbon filter which is in proper operating conditions

[RULE 402, 5-7-1976]

[Devices subject to this condition : D170, D171, D172]

E179.1 For the purpose of the following condition number(s), exhaust air shall be defined as the gases displaced during all phases of odorant transfer.

FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Condition Number 175-1

[RULE 402, 5-7-1976]

[Devices subject to this condition : D170, D171, D172, C173]

E179.2 For the purpose of the following condition number(s), exhaust air shall be defined as the gases displaced during depressurizing of any equipment.

Condition Number 175-1

[RULE 402, 5-7-1976]

[Devices subject to this condition : D170, D171, D172, C173]

E193.1 The operator shall operate and maintain this equipment according to the following requirements:

The activated carbon used in the adsorber shall have a carbon tetrachloride number (CTC) of not less than 60% as measured by ASTM Method D3467.

[RULE 1148.1, 3-5-2004; **RULE 1303(a)(1)-BACT, 5-10-1996**; RULE 1303(a)(1)
-BACT, 12-6-2002; **RULE 463, 5-6-2005**]

[Devices subject to this condition : C180, C181]

E224.1 The operator shall replace the adsorbent in the carbon filter with at least 18 pounds of fresh activated carbon when the operator smells odorant from the carbon filter. Odorant filling shall cease whenever the operator smells odorant from the carbon filter.

[RULE 402, 5-7-1976]

FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[Devices subject to this condition : C173]

- E224.2 The operator shall replace the adsorbent when a given batch of activated carbon vents 5 consecutive odorant tank refills. The adsorbent shall be replaced with at least 18 pounds of fresh activated carbon before the next odorant tank refill takes place.

[RULE 402, 5-7-1976]

[Devices subject to this condition : C173]

- E313.1 This device is classified as a non-operated major NOx source as defined under Rule 2012 and shall not be operated unless the Facility Permit holder provides written notification to the Executive Officer 30 days prior to starting operation. In order to maintain the non-operational classification, the Facility Permit holder shall:

- (a) Remove a section of the fuel feed line(s) to the device and place a blind flange on both ends of the fuel feed line(s); and
- (b) Remove a section of the water feed line(s) and place a blind flange on both ends of the water feed line(s).

Removal of parts or components solely to qualify the device for non-operated classification pursuant to this condition, or replacement of the same removed parts or components resulting in the device no longer being classified as non-operated shall not be deemed to affect the potential to emit within the meanings of Rule 2005, Regulation XIII and Regulation XXX.

[RULE 2012, 5-6-2005]

[Devices subject to this condition : D146]

FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

E315.1 Once this device is operated, it shall no longer be classified as non-operational. This device shall also meet the monitoring requirements of Rule 2012, subparagraph (c)(2)(A) or (c)(2)(B) no later than 30 calendar days after the start of operation except as provided in Rule 2012, paragraph (c)(10).

[RULE 2012, 5-6-2005]

[Devices subject to this condition : D146]

H. Applicable Rules

H23.1 This equipment is subject to the applicable requirements of the following rules or regulations:

| Contaminant | Rule | Rule/Subpart |
|-------------|---------------|--------------|
| VOC | District Rule | 1176 |
| VOC | District Rule | 464 |

[RULE 1176, 9-13-1996; RULE 464, 12-7-1990]

[Devices subject to this condition : D40, D41, D42, D43, D44, D130, D182, D185]

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

| Contaminant | Rule | Rule/Subpart |
|-------------|---------------|--------------|
| VOC | District Rule | 1176 |

[RULE 1176, 9-13-1996]

FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[Devices subject to this condition : D51, D52, D137, D165]

H23.4 This equipment is subject to the applicable requirements of the following rules or regulations:

| Contaminant | Rule | Rule/Subpart |
|-------------|---------------|--------------|
| VOC | District Rule | 463 |
| VOC | District Rule | 1149 |

[RULE 1149, 7-14-1995; RULE 1149, 5-2-2008; RULE 463, 5-6-2005]

[Devices subject to this condition : D27, D28, D38, D39, D59, D60, D64, D65, D66, D68, D69]

H23.5 This equipment is subject to the applicable requirements of the following rules or regulations:

| Contaminant | Rule | Rule/Subpart |
|-------------|---------------|--------------|
| VOC | District Rule | 1173 |

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

[Devices subject to this condition : D70, D71, D72, D163, D164]

H23.6 This equipment is subject to the applicable requirements of the following rules or regulations:

| Contaminant | Rule | Rule/Subpart |
|-------------|---------------|--------------|
| TOC | District Rule | 1148.1 |

FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[RULE 1148.1, 3-5-2004]

[Devices subject to this condition : E169]

H23.7 This equipment is subject to the applicable requirements of the following rules or regulations:

| Contaminant | Rule | Rule/Subpart |
|-------------|---------------|--------------|
| CO | District Rule | 1146.2 |

[RULE 1146.2, 5-5-2006]

[Devices subject to this condition : D135, D136, D138, D139]

H23.8 This equipment is subject to the applicable requirements of the following rules or regulations:

| Contaminant | Rule | Rule/Subpart |
|-------------|---------------|--------------|
| VOC | District Rule | 1148.1 |

[RULE 1148.1, 3-5-2004]

[Devices subject to this condition : D183]

K. Record Keeping/Reporting

K48.2 The operator shall maintain records in a manner approved by the District, to demonstrate compliance with the following condition number(s):

Condition Number E 224- 1

Condition Number E 224- 2

FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[RULE 402, 5-7-1976]

[Devices subject to this condition : C173]

K67.1 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

For architectural applications where no thinners, reducers, or other VOC containing materials are added, maintain semi-annual records for all coating consisting of (a) coating type, (b) VOC content as supplied in grams per liter (g/l) of materials for low-solids coatings, (c) VOC content as supplied in g/l of coating, less water and exempt solvent, for other coatings.

For architectural applications where thinners, reducers, or other VOC containing materials are added, maintain daily records for each coating consisting of (a) coating type, (b) VOC content as applied in grams per liter (g/l) of materials used for low-solids coatings, (c) VOC content as applied in g/l of coating, less water and exempt solvent, for other coatings.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : E167]

K67.2 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

- A) The odorant refill date,
- B) The amount of odorant added to the tank,
- C) The carbon filter replacement date, and
- D) The amount of replacement fresh activated carbon

FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[RULE 402, 5-7-1976]

[Devices subject to this condition : D170, C173]

K67.3 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

VOC concentrations at the inlet of the primary carbon adsorber

VOC concentrations at the inlet and outlet of the secondary carbon adsorber

Date when change over of carbon occurs

The records shall be kept on file for a minimum of five years. The records shall be made available to District personnel upon request.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 463, 5-6-2005]

[Devices subject to this condition : C180, C181]

FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

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/ Monitoring Unit | Emissions* And Requirements | Conditions |
|---|--------|--------------|---|--|--|
| Process 7: EXTERNAL COMBUSTION | | | | | |
| FLARE, GROUND FLARE, EMERGENCY, FIELD GAS, PROCESS GAS, ZEECO INC., HEIGHT: 40 FT ; DIAMETER: 8 FT 6 IN; 58 MMBTU/HR A/N: 327491 Permit to Construct Issued: 03/11/98 | C168 | | | CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 85 PPMV PROCESS GAS (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1) -BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]; NOX: 85 PPMV FIELD GAS (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2) -Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981] | C8.1, D12.2, D28.2, H23.9, K48.1 |

* (1) (1A) (1B) Denotes RECLAIM emission factor (2) (2A) (2B) 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 limit
 (7) Denotes NSR applicability limit (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, 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 TIDELANDS OIL PRODUCTION CO

SECTION H: DEVICE ID INDEX

**The following sub-section provides an index
to the devices that make up the facility
description sorted by device ID.**

FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

SECTION H: DEVICE ID INDEX

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| Device ID | Section H Page No. | Process | System |
| C168 | 1 | 7 | 0 |

FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

FACILITY CONDITIONS

F1.1 The operator shall limit the fuel usage to no more than 679,00 cubic feet per day.

To comply with this condition, the operator shall install and maintain a(n) flow meter to accurately indicate the fuel usage at the equipment fuel supply line.

For the purpose of this condition, fuel usage shall be defined as the quantity of fuel gas burned in the facility. Fuel gas burned in this facility shall be exclusively gases produced and treated at facilities in compliance with Rule 431.1 or exempt from Rule 431.1 requirements as identified in their respective permits. The purpose of recording the fuel usage in the facility is to verify if the exemption from 431.1 for facilities emitting less than 5 pounds per day sulfur compounds as H₂S is met at all times.

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

[RULE 431.1, 6-12-1998]

F9.1 Except for open abrasive blasting operations, the operator shall not discharge into the atmosphere from any single source of emissions whatsoever any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:

(a) As dark or darker in shade as that designated No.1 on the Ringelmann Chart, as published by the United States Bureau of Mines; or

(b) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in subparagraph (a) of this condition.

[RULE 401, 3-2-1984; RULE 401, 11-9-2001]

DEVICE CONDITIONS

FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

C. Throughput or Operating Parameter Limits

- C8.1 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, is not less than 1400 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature at the the flare stack located at least .6 seconds downstream of the burner and not less than five feet from the top of the stack.

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

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : C168]

D. Monitoring/Testing Requirements

- D12.2 The operator shall install and maintain a(n) non-resettable totalizing fuel meter to accurately indicate the fuel usage at the flare.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : C168]

- D28.2 The operator shall conduct source test(s) in accordance with the following specifications:

FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

The test shall be conducted within 60 days after achieving maximum production rate, but no later than 180 days after initial start-up.

The test shall be conducted to determine the CO emissions using District method 100.1 measured over a 30 minute averaging time period.

The test shall be conducted to determine the NOx emissions using District method 100.1 measured over a 30 minute averaging time period.

The test shall be conducted to determine the VOC emissions using District method 25.1 measured over a 30 minute averaging time period.

The test shall be conducted to determine the PM10 emissions using District method 5.1 measured over a 30 minute averaging time period.

The test shall be conducted to determine the oxygen concentration using District method 100.1 measured over a 30 minute averaging time period.

Source test shall be conducted when this equipment is operating operating at loads of 100 percent, 75 percent, and 50 percent.

The District shall be notified of the date and time of the test at least 14 days prior to the test.

The test shall be conducted when this equipment is firing process gas, field gas or a mixture of them..

The test shall be conducted by a laboratory certified by CARB in the required test methods for each pollutant to be measured, and in compliance with District Rule 304 (no conflict of interest).

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : C168]

FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

H. Applicable Rules

H23.9 This equipment is subject to the applicable requirements of the following rules or regulations:

| Contaminant | Rule | Rule/Subpart |
|-------------|---------------|--------------|
| H2S | District Rule | 431.1 |

[RULE 431.1, 6-12-1998]

[Devices subject to this condition : C168]

K. Record Keeping/Reporting

K48.1 The operator shall maintain records in a manner approved by the District, to demonstrate compliance with the following condition number(s):

Condition Number D 12- 2

Condition Number D 28- 2

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : C168]

FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

SECTION K: TITLE V Administration

GENERAL PROVISIONS

1. This permit may be revised, revoked, reopened and reissued, or terminated for cause, or for failure to comply with regulatory requirements, permit terms, or conditions. [3004(a)(7)(C)]
2. This permit does not convey any property rights of any sort or any exclusive privilege. [3004(a)(7)(E)]

Permit Renewal and Expiration

3. (A) Except for solid waste incineration facilities subject to standards under section 129(e) of the Clean Air Act, this permit shall expire five years from the date that this Title V permit is issued. The operator's right to operate under this permit terminates at midnight on this date, unless the facility is protected by an application shield in accordance with Rule 3002(b), due to the filing of a timely and complete application for a Title V permit renewal, consistent with Rule 3003. [3004(a)(2), 3004(f)]

(B) A Title V permit for a solid waste incineration facility combusting municipal waste subject to standards under Section 129(e) of the Clean Air Act shall expire 12 years from the date of issuance unless such permit has been renewed pursuant to this regulation. These permits shall be reviewed by the Executive Officer at least every five years from the date of issuance. [3004(f)(2)]
4. To renew this permit, the operator shall submit to the Executive Officer an application for renewal at least 180 days, but not more than 545 days, prior to the expiration date of this permit. [3003(a)(6)]

Duty to Provide Information

5. The applicant for, or holder of, a Title V permit shall furnish, pursuant to Rule 3002(d) and (e), timely information and records to the Executive Officer or designee within a reasonable time as specified in writing by the Executive Officer or designee. [3004(a)(7)(F)]

Payment of Fees

6. The operator shall pay all required fees specified in Regulation III - Fees. [3004(a)(7)(G)]

FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

SECTION K: TITLE V Administration

Reopening for Cause

7. The Executive Officer will reopen and revise this permit if any of the following circumstances occur:
- (A) Additional regulatory requirements become applicable with a remaining permit term of three or more years. Reopening is not required if the effective date of the requirement is later than the expiration date of this permit, unless the permit or any of its terms and conditions has been extended pursuant to paragraph (f)(4) of Rule 3004.
 - (B) The Executive Officer or EPA Administrator determines that this permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.
 - (C) The Executive Officer or EPA Administrator determines that the permit must be revised or revoked to assure compliance with the applicable requirements. [3005(g)(1)]

COMPLIANCE PROVISIONS

8. The operator shall comply with all regulatory requirements, and all permit terms and conditions, except:
- (A) As provided for by the emergency provisions of condition no. 17 or condition no. 18, or
 - (B) As provided by an alternative operating condition granted pursuant to a federally approved (SIP-approved) Rule 518.2.

Any non-compliance with any federally enforceable permit condition constitutes a violation of the Federal Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or revision; or denial of a permit renewal application. Non-compliance may also be grounds for civil or criminal penalties under the California State Health and Safety Code. [3004(a)(7)(A)]

FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

SECTION K: TITLE V Administration

9. The operator shall allow the Executive Officer or authorized representative, upon presentation of appropriate credentials to:
 - (A) Enter the operator's premises where emission-related activities are conducted, or records are kept under the conditions of this permit;
 - (B) Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
 - (C) Inspect at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
 - (D) Sample or monitor at reasonable times, substances or parameters for the purpose of assuring compliance with the facility permit or regulatory requirements. [3004(a)(10)(B)]

10. All terms and conditions in this permit, including any provisions designed to limit a facility's potential to emit, are enforceable by the EPA Administrator and citizens under the federal Clean Air Act, unless the term or condition is designated as not federally enforceable. Each day during any portion of which a violation occurs is a separate offense. [3004(g)]

11. A challenge to any permit condition or requirement raised by EPA, the operator, or any other person, shall not invalidate or otherwise affect the remaining portions of this permit. [3007(b)]

12. The filing of any application for a permit revision, revocation, or termination, or a notification of planned changes or anticipated non-compliance does not stay any permit condition. [3004(a)(7)(D)]

13. It shall not be a defense for a person in an enforcement action, including those listed in Rule 3002(c)(2), that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit, except as provided for in "Emergency Provisions" of this section. [3004(a)(7)(H)]

FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

SECTION K: TITLE V Administration

14. The operator shall not build, erect, install, or use any equipment, the use of which, without resulting in a reduction in the total release of air contaminants to atmosphere, reduces or conceals an emission which would otherwise constitute a violation of Chapter 3 (commencing with Section 41700) of Part 4, of Division 26 of the California Health and Safety Code or of AQMD rules. This rule shall not apply to cases in which the only violation involved is of Section 41700 of the California Health and Safety Code, or Rule 402 of AQMD Rules. [408]

15. Nothing in this permit or in any permit shield can alter or affect:
 - (A) Under Section 303 of the federal Clean Air Act, the provisions for emergency orders;
 - (B) The liability of the operator for any violation of applicable requirements prior to or at the time of permit issuance;
 - (C) The applicable requirements of the Acid Rain Program, Regulation XXXI;
 - (D) The ability of EPA to obtain information from the operator pursuant to Section 114 of the federal Clean Air Act;
 - (E) The applicability of state or local requirements that are not "applicable requirements", as defined in Rule 3000, at the time of permit issuance but which do apply to the facility, such as toxics requirements unique to the State; and
 - (F) The applicability of regulatory requirements with compliance dates after the permit issuance date. [3004(c)(3)]

16. For any portable equipment that requires an AQMD or state permit or registration, excluding a) portable engines, b) military tactical support equipment and c) AQMD-permitted portable equipment that are not a major source, are not located at the facility for more than 12 consecutive months after commencing operation, and whose operation does not conflict with the terms or conditions of this Title V permit: 1) the facility operator shall keep a copy of the AQMD or state permit or registration; 2) the equipment operator shall comply with the conditions on the permit or registration and all other regulatory requirements; and 3) the facility operator shall treat the permit or registration as a part of its Title V permit, subject to recordkeeping, reporting and certification requirements. [3004(a)(1)]

FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

SECTION K: TITLE V Administration EMERGENCY PROVISIONS

17. An emergency¹ constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limit only if:
- (A) Properly signed, contemporaneous operating records or other credible evidence demonstrate that:
 - (1) An emergency occurred and the operator can identify the cause(s) of the emergency;
 - (2) The facility was operated properly (i.e. operated and maintained in accordance with the manufacturer's specifications, and in compliance with all regulatory requirements or a compliance plan), before the emergency occurred;
 - (3) The operator took all reasonable steps to minimize levels of emissions that exceeded emissions standard, or other requirements in the permit; and,
 - (4) The operator submitted a written notice of the emergency to the AQMD within two working days of the time when the emissions limitations were exceeded due to the emergency. The notice shall contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken; and
 - (B) The operator complies with the breakdown provisions of Rule 430 – Breakdown Provisions, or subdivision (i) of Rule 2004 – Requirements, whichever is applicable. [3002(g), 430, 2004(i)]
18. The operator is excused from complying with any regulatory requirement that is suspended by the Executive Officer during a state of emergency or state of war emergency, in accordance with Rule 118 - Emergencies. [118]

¹ "Emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the operator, including acts of God, which: (A) requires immediate corrective action to restore normal operation; and (B) causes the facility to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency; and (C) is not caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.

FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

SECTION K: TITLE V Administration RECORDKEEPING PROVISIONS

19. In addition to any other recordkeeping requirements specified elsewhere in this permit, the operator shall keep records of required monitoring information, where applicable, that include:
- (A) The date, place as defined in the Title V permit, and time of sampling or measurements;
 - (B) The date(s) analyses were performed;
 - (C) The company or entity that performed the analyses;
 - (D) The analytical techniques or methods used;
 - (E) The results of such analyses; and
 - (F) The operating conditions as existing at the time of sampling or measurement. [3004(a)(4)(B)]
20. The operator shall maintain records pursuant to Rule 109 and any applicable material safety data sheet (MSDS) for any equipment claimed to be exempt from a written permit by Rule 219 based on the information in those records. [219(t)]
21. The operator shall keep all records of monitoring data required by this permit or by regulatory requirements for a period of at least five years from the date of the monitoring sample, measurement, report, or application. [3004(a)(4)(E)]

REPORTING PROVISIONS

22. The operator shall comply with the following requirements for prompt reporting of deviations:
- (A) Breakdowns shall be reported as required by Rule 430 – Breakdown Provisions or subdivision (i) of Rule 2004 - Requirements, whichever is applicable.

FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

SECTION K: TITLE V Administration

- (B) Other deviations from permit or applicable rule emission limitations, equipment operating conditions, or work practice standards, determined by observation or by any monitoring or testing required by the permit or applicable rules that result in emissions greater than those allowed by the permit or applicable rules shall be reported within 72 hours (unless a shorter reporting period is specified in an applicable State or Federal Regulation) of discovery of the deviation by contacting AQMD enforcement personnel assigned to this facility or otherwise calling (800) CUT-SMOG.
 - (C) A written report of such deviations reported pursuant to (B), and any corrective actions or preventative measures taken, shall be submitted to AQMD, in an AQMD approved format, within 14 days of discovery of the deviation.
 - (D) All other deviations shall be reported with the monitoring report required by condition no. 23. [3004(a)(5)]
23. Unless more frequent reporting of monitoring results are specified in other permit conditions or in regulatory requirements, the operator shall submit reports of any required monitoring to the AQMD at least twice per year. The report shall include a) a statement whether all monitoring required by the permit was conducted; and b) identification of all instances of deviations from permit or regulatory requirements. A report for the first six calendar months of the year is due by August 31 and a report for the last six calendar months of the year is due by February 28. [3004(a)(4)(F)]
24. The operator shall submit to the Executive Officer and to the Environmental Protection Agency (EPA), an annual compliance certification. For RECLAIM facilities, the certification is due when the Annual Permit Emissions Program (APEP) report is due and shall cover the same reporting period. For other facilities, the certification is due on March 1 for the previous calendar year. The certification need not include the period preceding the date the initial Title V permit was issued. Each compliance certification shall include:
- (A) Identification of each permit term or condition that is the basis of the certification;

FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

SECTION K: TITLE V Administration

- (B) The compliance status during the reporting period;
- (C) Whether compliance was continuous or intermittent;
- (D) The method(s) used to determine compliance over the reporting period and currently, and
- (E) Any other facts specifically required by the Executive Officer to determine compliance.

The EPA copy of the certification shall be sent to: Director of the Air Division Attn:
Air-3 USEPA, Region IX 75 Hawthorne St. San Francisco, CA 94105 [3004(a)(10)(E)]

25. All records, reports, and documents required to be submitted by a Title V operator to AQMD or EPA shall contain a certification of accuracy consistent with Rule 3003(c)(7) by a responsible official (as defined in Rule 3000). [3004(a)(12)]

PERIODIC MONITORING

26. All periodic monitoring required by this permit pursuant to Rule 3004(a)(4)(c) is based on the requirements and justifications in the AQMD document "Periodic Monitoring Guidelines for Title V Facilities" or in case-by-case determinations documented in the TitleV application file. [3004(a)(4)]

FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

SECTION K: TITLE V Administration

FACILITY RULES

This facility is subject to the following rules and regulations

With the exception of Rule 402, 473, 477, 1118 and Rules 1401 through 1420, the following rules that are designated as non-federally enforceable are pending EPA approval as part of the state implementation plan. Upon the effective date of that approval, the approved rule(s) will become federally enforceable, and any earlier versions of those rules will no longer be federally enforceable.

| RULE SOURCE | Adopted/Amended Date | FEDERAL Enforceability |
|------------------------|-----------------------------|-------------------------------|
| RULE 1113 | 11-8-1996 | Federally enforceable |
| RULE 1113 | 6-3-2011 | Non federally enforceable |
| RULE 1146 | 11-17-2000 | Federally enforceable |
| RULE 1146.2 | 5-5-2006 | Federally enforceable |
| RULE 1148.1 | 3-5-2004 | Non federally enforceable |
| RULE 1149 | 5-2-2008 | Non federally enforceable |
| RULE 1149 | 7-14-1995 | Federally enforceable |
| RULE 1171 | 11-7-2003 | Federally enforceable |
| RULE 1171 | 5-1-2009 | Non federally enforceable |
| RULE 1173 | 2-6-2009 | Non federally enforceable |
| RULE 1173 | 5-13-1994 | Federally enforceable |
| RULE 1176 | 9-13-1996 | Federally enforceable |
| RULE 118 | 12-7-1995 | Non federally enforceable |
| RULE 1303(a)(1)-BACT | 12-6-2002 | Non federally enforceable |
| RULE 1303(a)(1)-BACT | 5-10-1996 | Federally enforceable |
| RULE 1303(b)(2)-Offset | 12-6-2002 | Non federally enforceable |
| RULE 1303(b)(2)-Offset | 5-10-1996 | Federally enforceable |
| RULE 2005 | 4-20-2001 | Federally enforceable |
| RULE 2012 | 5-6-2005 | Federally enforceable |
| RULE 204 | 10-8-1993 | Federally enforceable |
| RULE 217 | 1-5-1990 | Federally enforceable |
| RULE 219 | 6-1-2007 | Non federally enforceable |

FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

SECTION K: TITLE V Administration

| RULE SOURCE | Adopted/Amended Date | FEDERAL Enforceability |
|-------------------------------------|-----------------------------|-------------------------------|
| RULE 219 | 9-4-1981 | Federally enforceable |
| RULE 3002 | 11-14-1997 | Federally enforceable |
| RULE 3002 | 11-5-2010 | Non federally enforceable |
| RULE 3003 | 11-14-1997 | Federally enforceable |
| RULE 3003 | 11-5-2010 | Non federally enforceable |
| RULE 3004 | 12-12-1997 | Federally enforceable |
| RULE 3004(a)(4)-Periodic Monitoring | 12-12-1997 | Federally enforceable |
| RULE 3005 | 11-14-1997 | Federally enforceable |
| RULE 3005 | 11-5-2010 | Non federally enforceable |
| RULE 3007 | 10-8-1993 | Federally enforceable |
| RULE 304 | 5-6-2011 | Non federally enforceable |
| RULE 401 | 11-9-2001 | Non federally enforceable |
| RULE 401 | 3-2-1984 | Federally enforceable |
| RULE 402 | 5-7-1976 | Non federally enforceable |
| RULE 404 | 2-7-1986 | Federally enforceable |
| RULE 407 | 4-2-1982 | Federally enforceable |
| RULE 408 | 5-7-1976 | Federally enforceable |
| RULE 409 | 8-7-1981 | Federally enforceable |
| RULE 430 | 7-12-1996 | Non federally enforceable |
| RULE 431.1 | 6-12-1998 | Federally enforceable |
| RULE 463 | 5-6-2005 | Federally enforceable |
| RULE 464 | 12-7-1990 | Federally enforceable |
| RULE 701 | 6-13-1997 | Federally enforceable |

FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 11-08-1996]

- (1) Except as provided in paragraphs (c)(2), (c)(3), and (c)(4) of Rule 1113, the operator shall not supply, sell, offer for sale, apply, or solicit the application of, any architectural coating which, at the time of sale or manufacture, contains more than 250 grams of VOC per liter of coating (2.08 pounds per gallon), less water, less exempt compounds, and less any colorant added to tint bases, or manufacture, blend, or repackage such a coating for use within the District.
- (2) Except as provided in paragraphs (c)(3) and (c)(4) of Rule 1113, the operator shall not supply, sell, offer for sale, apply, solicit the application of, manufacture, blend, or repackage, for use within the District, any architectural coating listed in the Table of Standards which contains VOC (excluding any colorant added to tint bases) in excess of the corresponding VOC limit specified in the table, after the effective date specified.

TABLE OF STANDARDS

VOC LIMITS

Grams of VOC Per Liter of Coating, Less Water And Less Exempt Compounds

| COATING | Limit* | Effective Date of Adoption | Effective 1/1/1998 | Effective 1/1/1999 | Effective 7/1/2001 | Effective 1/1/2005 | Effective 7/1/2008 |
|------------------------------------|--------|----------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Bond Breakers | 350 | | | | | | |
| Clear Wood Finishes | | | | | | | |
| Varnish | 350 | | | | | | |
| Sanding Sealers | 350 | | | | | | |
| Lacquer | 680 | | 550 | | | 275 | |
| Concrete-Curing Compounds | 350 | | | | | | |
| Dry-Fog Coatings | 400 | | | | | | |
| Fire-proofing Exterior Coatings | 350 | 450 | | 350 | | | |
| Fire-Retardant Coatings | | | | | | | |
| Clear | 650 | | | | | | |
| Pigmented | 350 | | | | | | |
| Flats | 250 | | | | 100 | | 50 |
| Graphic Arts (Sign) Coatings | 500 | | | | | | |

FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 11-08-1996]

| | | | | | | |
|-----------------------------|-----|-----|-----|-----|-----|--|
| Industrial Maintenance | | | | | | |
| Primers and Topcoats | | | | | | |
| Alkyds | 420 | | | | | |
| Catalyzed Epoxy | 420 | | | | | |
| Bituminous Coatings | 420 | | | | | |
| Materials | | | | | | |
| Inorganic Polymers | 420 | | | | | |
| Vinyl Chloride Polymers | 420 | | | | | |
| Chlorinated Rubber | 420 | | | | | |
| Acrylic Polymers | 420 | | | | | |
| Urethane Polymers | 420 | | | | | |
| Silicones | 420 | | | | | |
| Unique Vehicles | 420 | | | | | |
| Japans/Faux Finishing | 350 | 700 | | 350 | | |
| Coatings | | | | | | |
| Magnesite Cement Coatings | 600 | | | 450 | | |
| Mastic Coatings | 300 | | | | | |
| Metallic Pigmented Coatings | 500 | | | | | |
| Multi-Color Coatings | 420 | | 250 | | | |
| Pigmented Lacquer | 680 | | 550 | | 275 | |
| Pre-Treatment Wash Primers | 780 | | | | | |
| Primers, Sealers, and | 350 | | | | | |
| Undercoaters | | | | | | |
| Quick-Dry Enamels | 400 | | | | | |
| Roof Coatings | 300 | | | | | |
| Shellac | | | | | | |
| Clear | 730 | | | | | |
| Pigmented | 550 | | | | | |
| Stains | 350 | | | | | |
| Swimming Pool Coatings | | | | | | |
| Repair | 650 | | | | | |
| Other | 340 | | | | | |
| Traffic Coatings | 250 | | 150 | | | |
| Waterproofing Sealers | 400 | | | | | |
| Wood Preservatives | | | | | | |
| Below-Ground | 350 | | | | | |
| Other | 350 | | | | | |

* The specified limits remain in effect unless revised limits are listed in subsequent columns in the Table of Standards

TABLE OF STANDARDS (cont.)

VOC LIMITS

Grams of VOC Per Liter of Material

| COATING | Limit |
|--------------------|-------|
| Low-Solids Coating | 120 |

FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 06-03-2011]

- (1) Except as provided in paragraphs (c)(3), (c)(4), and designated coatings averaged under (c)(6) of Rule 1113, no person shall supply, sell, offer for sale, market, manufacture, blend, repackage, apply, store at a worksite, or solicit the application of any architectural coating within the District:
 - (A) That is listed in the Table of Standards 1 and contains VOC (excluding any colorant added to tint bases) in excess of the corresponding VOC limit specified in the table, after the effective date specified; or
 - (B) That is not listed in the Table of Standards 1, and contains VOC (excluding any colorant added to tint bases) in excess of 250 grams of VOC per liter of coating (2.08 pounds per gallon), less water, less exempt compounds, until January 1, 2014, at which time the limit drops to 50 grams of VOC per liter of coating, less water, less exempt compounds (0.42 pounds per gallon).
- (2) No person within the District shall add colorant at the point of sale that is listed in the Table of Standards 2 and contains VOC in excess of the corresponding VOC limit specified in the Table of Standards 2, after the effective date specified.

FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 06-03-2011]

TABLE OF STANDARDS 1 VOC LIMITS

**Grams of VOC Per Liter of Coating,
 Less Water and Less Exempt Compounds**

| COATING CATEGORY | Ceiling Limit ¹ | Current Limit ² | Effective Date | | |
|--|----------------------------|----------------------------|----------------|--------|--------|
| | | | 7/1/08 | 1/1/12 | 1/1/14 |
| Bond Breakers | | 350 | | | |
| Clear Wood Finishes | | 275 | | | |
| Varnish | 350 | 275 | | | |
| Sanding Sealers | 350 | 275 | | | |
| Lacquer | | 275 | | | |
| Concrete-Curing Compounds | | 100 | | | |
| Concrete-Curing Compounds For Roadways and Bridges ³ | | 350 | | | |
| Concrete Surface Retarder | | 250 | | | 50 |
| Driveway Sealer | | 100 | | 50 | |
| Dry-Fog Coatings | | 150 | | | 50 |
| Faux Finishing Coatings | | | | | |
| Clear Topcoat | | 350 | | 200 | |
| Decorative Coatings | | 350 | | | 100 |
| Glazes | | 350 | | | |
| Japan | | 350 | | | |
| Trowel Applied Coatings | | 350 | | 150 | 50 |
| Fire-Proofing Coatings | | 350 | | | 150 |
| Flats | 250 | 50 | 50 | | |
| Floor Coatings | 100 | 50 | | | |
| Form Release Compound | | 250 | | | 100 |
| Graphic Arts (Sign) Coatings | | 500 | | | 150 |
| Industrial Maintenance (IM) Coatings | 420 | 100 | | | |
| High Temperature IM Coatings | | 420 | | | |
| Non-Sacrificial Anti-Graffiti Coatings | | 100 | | | |
| Zinc-Rich IM Primers | 340 | 100 | | | |
| Magnesite Cement Coatings | | 450 | | | |
| Mastic Coatings | | 300 | | | 100 |
| Metallic Pigmented Coatings | 500 | 500 | | | 150 |
| Multi-Color Coatings | | 250 | | | |
| Nonflat Coatings | 150 | 50 | | | |
| Pre-Treatment Wash Primers | | 420 | | | |
| Primers, Sealers, and Undercoaters | 200 | 100 | | | |
| Reactive Penetrating Sealers | | 350 | | | |
| Recycled Coatings | | 250 | | | |
| Roof Coatings | 250 | 50 | | | |
| Roof Coatings, Aluminum | | 100 | | | |

FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 06-03-2011]

| | | | | |
|------------------------------------|-----|-----|--|----|
| Roof Primers, Bituminous | 350 | 350 | | |
| Rust Preventative Coatings | 400 | 100 | | |
| Stone Consolidant | | 450 | | |
| Sacrificial Anti-Graffiti Coatings | | 100 | | 50 |
| Shellac | | | | |
| Clear | | 730 | | |
| Pigmented | | 550 | | |
| Specialty Primers | 350 | 100 | | |
| Stains | | 100 | | |

FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 06-03-2011]

| COATING CATEGORY | Ceiling Limit ¹ | Current Limit ² | Effective Date | | |
|--|----------------------------|----------------------------|----------------|--------|--------|
| | | | 7/1/08 | 1/1/12 | 1/1/14 |
| Stains, Interior | 250 | 250 | | | |
| Swimming Pool Coatings | | | | | |
| Repair | | 340 | | | |
| Other | | 340 | | | |
| Traffic Coatings | | 100 | | | |
| Waterproofing Sealers | 250 | 100 | | | |
| Waterproofing Concrete/Masonry Sealers | 400 | 100 | | | |
| Wood Preservatives | | 350 | | | |

1. The specified ceiling limits are applicable to products sold under the Averaging Compliance Option.
2. The specified limits remain in effect unless revised limits are listed in subsequent columns in the Table of Standards.
3. Does not include compounds used for curbs and gutters, sidewalks, islands, driveways and other miscellaneous concrete areas.

TABLE OF STANDARDS 1 (cont.) VOC LIMITS

Grams of VOC Per Liter of Material

| COATING | Limit |
|--------------------|-------|
| Low-Solids Coating | 120 |

TABLE OF STANDARDS 2 VOC LIMITS FOR COLORANTS

Grams of VOC Per Liter of Colorant Less Water and Less Exempt Compounds

| COLORANT | Limit ⁴ |
|---|--------------------|
| Architectural Coatings, excluding IM Coatings | 50 |
| Solvent-Based IM | 600 |
| Waterborne IM | 50 |

4. Effective January 1, 2014.

FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

APPENDIX B: RULE EMISSION LIMITS [RULE 1171 11-07-2003]

(1) Solvent Requirements

A person shall not use a solvent to perform solvent cleaning operations unless the solvent complies with the applicable requirements set forth below:

| SOLVENT CLEANING ACTIVITY | CURRENT LIMITS |
|--|------------------------|
| | VOC g/l (lb/gal) |
| (A) Product Cleaning During Manufacturing Process Or Surface Preparation For Coating, Adhesive, Or Ink Application | |
| (i) General | 25 (0.21) |
| (ii) Electrical Apparatus Components & Electronic Components | 500 (4.2) |
| (iii) Medical Devices & Pharmaceuticals | 800 (6.7) |
| (B) Repair and Maintenance Cleaning | |
| (i) General | 25 (0.21) |
| (ii) Electrical Apparatus Components & Electronic Components | 900 (7.5) |

FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

APPENDIX B: RULE EMISSION LIMITS [RULE 1171 11-07-2003]

| SOLVENT CLEANING ACTIVITY | CURRENT LIMITS |
|---|------------------------|
| | VOC g/l (lb/gal) |
| (iii) Medical Devices & Pharmaceuticals | |
| (A) Tools, Equipment, & Machinery | 800 (6.7) |
| (B) General Work Surfaces | 600 (5.0) |
| (C) Cleaning of Coatings or Adhesives Application Equipment | 550 (4.6) |
| (D) Cleaning of Ink Application Equipment | |
| (i) General | 25 (0.21) |
| (ii) Flexographic Printing | 25 (0.21) |
| (iii) Gravure Printing | |
| (A) Publication | 750 (6.3) |
| (B) Packaging | 25 (0.21) |
| (iv) Lithographic or Letter Press Printing | |

FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

APPENDIX B: RULE EMISSION LIMITS [RULE 1171 11-07-2003]

| SOLVENT CLEANING ACTIVITY | CURRENT LIMITS |
|---|------------------------|
| | VOC g/l (lb/gal) |
| (A) Roller Wash – Step 1 | 600 (5.0) |
| (B) Roller Wash-Step 2, Blanket Wash, & On-Press Components | 800 (6.7) |
| (C) Removable Press Components | 25 (0.21) |
| (v) Screen Printing | 750 (6.3) |
| (vi) Ultraviolet Ink/ Electron Beam Ink Application Equipment (except screen printing) | 800 (6.7) |
| (vii) Specialty Flexographic Printing | 600 (5.0) |
| (E) Cleaning of Polyester Resin Application Equipment | 25 (0.21) |

FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

APPENDIX B: RULE EMISSION LIMITS [RULE 1171 05-01-2009]

(1) Solvent Requirements

A person shall not use a solvent to perform solvent cleaning operations unless the solvent complies with the applicable requirements set forth below:

| | CURRENT LIMITS* | EFFECTIVE 1/1/2010 |
|--|---------------------------------|---------------------------------|
| SOLVENT CLEANING ACTIVITY | VOC g/l (lb/gal) | VOC g/l (lb/gal) |
| (A) Product Cleaning During Manufacturing Process Or Surface Preparation For Coating, Adhesive, Or Ink Application | | |
| (i) General | 25 (0.21) | |
| (ii) Electrical Apparatus Components & Electronic Components | 100 (0.83) | |
| (iii) Medical Devices & Pharmaceuticals | 800 (6.7) | |
| (B) Repair and Maintenance Cleaning | | |
| (i) General | 25 (0.21) | |
| (ii) Electrical Apparatus Components & Electronic Components | 100 (0.83) | |

FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

APPENDIX B: RULE EMISSION LIMITS [RULE 1171 05-01-2009]

| | CURRENT LIMITS* | EFFECTIVE 1/1/2010 |
|---|---------------------------------|---------------------------------|
| SOLVENT CLEANING ACTIVITY (cont.) | VOC g/l (lb/gal) | VOC g/l (lb/gal) |
| (iii) Medical Devices & Pharmaceuticals | | |
| (A) Tools, Equipment, & Machinery | 800 (6.7) | |
| (B) General Work Surfaces | 600 (5.0) | |
| (C) Cleaning of Coatings or Adhesives Application Equipment | 25 (0.21) | |
| (D) Cleaning of Ink Application Equipment | | |
| (i) General | 25 (0.21) | |
| (ii) Flexographic Printing | 25 (0.21) | |
| (iii) Gravure Printing | | |
| (A) Publication | 100 (0.83) | |
| (B) Packaging | 25 (0.21) | |
| (iv) Lithographic (Offset) or Letter Press Printing | | |
| (A) Roller Wash, Blanket Wash, & On-Press Components | 100 (0.83) | |

FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

APPENDIX B: RULE EMISSION LIMITS [RULE 1171 05-01-2009]

| | CURRENT LIMITS* | EFFECTIVE 1/1/2010 |
|--|---------------------------------|---------------------------------|
| SOLVENT CLEANING ACTIVITY (cont.) | VOC g/l (lb/gal) | VOC g/l (lb/gal) |
| (B) Removable Press Components | 25 (0.21) | |
| (v) Screen Printing | 100 (0.83) | |
| (vi) Ultraviolet Ink/ Electron Beam Ink Application Equipment (except screen printing) | 650 (5.4) | 100 (0.83) |
| (vii) Specialty Flexographic Printing | 100 (0.83) | |
| (E) Cleaning of Polyester Resin Application Equipment | 25 (0.21) | |

* The specified limits remain in effect unless revised limits are listed in subsequent columns.

FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

APPENDIX B: RULE EMISSION LIMITS [RULE 404 02-07-1986]

The operator shall not discharge into the atmosphere from this equipment, particulate matter in excess of the concentration at standard conditions, shown in Table 404(a). Where the volume discharged is between figures listed in the Table, the exact concentration permitted to be discharged shall be determined by linear interpolation.

For the purposes of this rule, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

TABLE 404(a)

| Volume Discharged Calculated as Dry Gas At Standard Conditions | | Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions | | Volume Discharged Calculated as Dry Gas At Standard Conditions | | Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions | |
|--|--------------------------------|--|--------------------------|--|--------------------------------|---|-----------------------------|
| | | Milligrams per Cubic Meter | Grains per Cubic Foot | | | Milligrams per Cubic Meter | Grains per Cubic Foot |
| Cubic meters Per Minute | Cubic feet Per Minute | | | Cubic meters Per Minute | Cubic feet Per Minute | | |
| 25 or less | 883 or less | 450 | 0.196 | 900 | 31780 | 118 | 0.0515 |
| 30 | 1059 | 420 | .183 | 1000 | 35310 | 113 | .0493 |
| 35 | 1236 | 397 | .173 | 1100 | 38850 | 109 | .0476 |
| 40 | 1413 | 377 | .165 | 1200 | 42380 | 106 | .0463 |
| 45 | 1589 | 361 | .158 | 1300 | 45910 | 102 | .0445 |

FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

APPENDIX B: RULE EMISSION LIMITS [RULE 404 02-07-1986]

| Volume Discharged Calculated as Dry Gas At Standard Conditions | | Maximum Concentration of Particulate Matter” Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions | | Volume Discharged Calculated as Dry Gas At Standard Conditions | | Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions | |
|--|--------------------------------|---|--------------------------|--|--------------------------------|---|-----------------------------|
| | | Milligrams per Cubic Meter | Grains per Cubic Foot | | | Milligrams per Cubic Meter | Grains per Cubic Foot |
| Cubic meters Per Minute | Cubic feet Per Minute | | | Cubic meters Per Minute | Cubic feet Per Minute | | |
| 50 | 1766 | 347 | .152 | 1400 | 49440 | 100 | .0437 |
| 60 | 2119 | 324 | .141 | 1500 | 52970 | 97 | .0424 |
| 70 | 2472 | 306 | .134 | 1750 | 61800 | 92 | .0402 |
| 80 | 2825 | 291 | .127 | 2000 | 70630 | 87 | .0380 |
| 90 | 3178 | 279 | .122 | 2250 | 79460 | 83 | .0362 |
| 100 | 3531 | 267 | .117 | 2500 | 88290 | 80 | .0349 |
| 125 | 4414 | 246 | .107 | 3000 | 105900 | 75 | .0327 |
| 150 | 5297 | 230 | .100 | 4000 | 141300 | 67 | .0293 |
| 175 | 6180 | 217 | .0947 | 5000 | 176600 | 62 | .0271 |
| 200 | 7063 | 206 | .0900 | 6000 | 211900 | 58 | .0253 |
| 250 | 8829 | 190 | .0830 | 8000 | 282500 | 52 | .0227 |
| 300 | 10590 | 177 | .0773 | 10000 | 353100 | 48 | .0210 |
| 350 | 12360 | 167 | .0730 | 15000 | 529700 | 41 | .0179 |
| 400 | 14130 | 159 | .0694 | 20000 | 706300 | 37 | .0162 |
| 450 | 15890 | 152 | .0664 | 25000 | 882900 | 34 | .0148 |

FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

APPENDIX B: RULE EMISSION LIMITS [RULE 404 02-07-1986]

| Volume Discharged Calculated as Dry Gas At Standard Conditions | | Maximum Concentration of Particulate Matter” Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions | | Volume Discharged Calculated as Dry Gas At Standard Conditions | | Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions | |
|--|--------------------------------|---|--------------------------|--|--------------------------------|---|-----------------------------|
| | | Milligrams per Cubic Meter | Grains per Cubic Foot | | | Milligrams per Cubic Meter | Grains per Cubic Foot |
| Cubic meters Per Minute | Cubic feet Per Minute | | | Cubic meters Per Minute | Cubic feet Per Minute | | |
| 500 | 17660 | 146 | .0637 | 30000 | 1059000 | 32 | .0140 |
| 600 | 21190 | 137 | .0598 | 40000 | 1413000 | 28 | .0122 |
| 700 | 24720 | 129 | .0563 | 50000 | 1766000 | 26 | .0114 |
| 800 | 28250 | 123 | .0537 | 70000 or more | 2472000 or more | 23 | .0100 |