

## **FACILITY PERMIT TO OPERATE**

**EDGINGTON OIL COMPANY  
2400 E ARTESIA BLVD  
LONG BEACH, CA 90805**

### **NOTICE**

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR A COPY THEREOF MUST BE KEPT AT THE LOCATION FOR WHICH IT IS ISSUED.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT SHALL NOT BE CONSTRUED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF ANY OTHER FEDERAL, STATE OR LOCAL GOVERNMENTAL AGENCIES.

Barry R. Wallerstein, D. Env.  
EXECUTIVE OFFICER

By \_\_\_\_\_  
Mohsen Nazemi, P.E.  
Deputy Executive Officer  
Engineering & Compliance

## FACILITY PERMIT TO OPERATE EDGINGTON OIL COMPANY

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## FACILITY PERMIT TO OPERATE EDGINGTON OIL COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1: DISTILLATION PROCESS</b>					
<b>System 1: CRUDE ATMOSPHERIC DISTILLATION UNIT NO. 1</b>					S13.2, S15.2
TOWER, NO.2, CRUDE, HEIGHT: 102 FT 10 IN; DIAMETER: 6 FT A/N: 387878	D2				
TOWER, DUAL STRIPPING, T-4A/B, STOVE OIL AND DIESEL, VERTICALLY STACKED, HEIGHT: 40 FT ; DIAMETER: 3 FT A/N: 387878	D4				
ACCUMULATOR, D-1A, PREFLASH TOWER OVERHEAD, LENGTH: 10 FT ; DIAMETER: 5 FT A/N: 387878	D5				
ACCUMULATOR, D-1B, CRUDE TOWER OVERHEAD, LENGTH: 10 FT ; DIAMETER: 5 FT A/N: 387878	D6				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 387878	D302				H23.13
<b>System 2: CRUDE VACUUM DISTILLATION UNIT NO. 1</b>					S13.2, S15.2
TOWER, VACUUM, T-3A/B, TWO-STAGE, (STAGE1, 8 FT DIA. X 41 FT H., STAGE 2, 8 FT- 6 IN. DIA. X 40 FT. H.), HEIGHT: 81 FT ; DIAMETER: 8 FT 6 IN A/N: 387878	D3				
ACCUMULATOR, D-2, SKD AND WASTE WATER A/N: 387878	D7				H23.9
EJECTOR, EJ-1/2, STEAM A/N: 387878	D323				H23.9

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| <ul style="list-style-type: none"> <li>* (1) (1A) (1B) Denotes RECLAIM emission factor</li> <li>(3) Denotes RECLAIM concentration limit</li> <li>(5) (5A) (5B) Denotes command and control emission limit</li> <li>(7) Denotes NSR applicability limit</li> <li>(9) See App B for Emission Limits</li> </ul> | <ul style="list-style-type: none"> <li>(2) (2A) (2B) Denotes RECLAIM emission rate</li> <li>(4) Denotes BACT emission limit</li> <li>(6) Denotes air toxic control rule limit</li> <li>(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)</li> <li>(10) See section J for NESHAP/MACT requirements</li> </ul> |
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\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

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<b>Process 1: DISTILLATION PROCESS</b>					
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 387878	D364				H23.13
<b>System 3: CRUDE ATMOSPHERIC DISTILLATION UNIT NO. 2</b>					S13.2, S15.2
TOWER, PRIMARY, T-101, CRUDE, HEIGHT: 81 FT ; DIAMETER: 7 FT A/N: 477955	D8				
TOWER, SECONDARY, T-103, CRUDE, HEIGHT: 83 FT ; DIAMETER: 6 FT A/N: 477955	D9				
VESSEL, D-102, PRIMARY TOWER OVERHEAD REFLUX, LENGTH: 20 FT ; DIAMETER: 5 FT A/N: 477955	D11				
COLUMN, STRIPPER, T-104 A/B, DIESEL, GASOIL, DIAMETER: 3 FT; HEIGHT 48 FT 6 IN A/N: 477955	D380				
VESSEL, D-103, SECONDARY OVERHEAD REFLUX, LENGTH: 20 FT ; DIAMETER: 5 FT A/N: 477955	D12				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 477955	D303				H23.13
VESSEL, DESALTER, DIAMETER: 12 FT; LENGTH: 20 FT A/N: 477955	D378				
COLUMN, STRIPPER, T-102 A/B, HEAVY NAPHTHA, STOVE OIL, DIAMTER: 3 FT; HEIGHT: 45 FT 6 IN A/N: 477955	D379				

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<b>Process 1: DISTILLATION PROCESS</b>					
<b>System 4: CRUDE VACUUM DISTILLATION UNIT NO. 2</b>					S13.2, S15.2
TOWER, VACUUM, T-201, HEIGHT: 61 FT 8 IN; DIAMETER: 8 FT 6 IN A/N: 477955	D10				
VESSEL, D-201, VACUUM TOWER CONDENSATE A/N: 477955	D13				H23.9
EJECTOR, EJ-202 A/B, STEAM A/N: 477955	D301				H23.9
COLUMN, STRIPPER, T-202, VACUUM GASOIL, DIAMETER: 5 FT; HEIGHT: 20 FT T/T A/N: 477955	D381				
COLUMN, STRIPPER, T-203, HEAVY GASOIL, DIAMETER: 7 FT; HEIGHT: 20 FT 10 IN T/T A/N: 477955	D382				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 477955	D365				H23.13
<b>System 5: CRUDE UNIT HEATING SYSTEM</b>					
HEATER, CRUDE OIL ATMOSPHERIC CHARGE, H-1, NATURAL GAS, WITH LOW NOX BURNER, 13 MMBTU/HR WITH A/N: 278529  BURNER, NATURAL GAS, JOHN ZINK, 3 LO-NOX, WITH LOW NOX BURNER, 13 MMBTU/HR	D176		NOX: LARGE SOURCE**	CO: 400 PPMV (5) [RULE 1146, 11-17-2000]; CO: 2000 PPMV (5A) [RULE 407, 4-2-1982]; NOX: 37 PPMV (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (3) [RULE 409, 8-7-1981]	D328.1

\* (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

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<b>Process 1: DISTILLATION PROCESS</b>					
HEATER, CRUDE ATMOSPHERIC CHARGE, H-102, NATURAL GAS, 31.2 MMBTU/HR WITH A/N: 377020  BURNER, FOUR (4), NATURAL GAS, JOHN ZINK, MODEL PSMR-17M WITH PILOTS, WITH LOW NOX BURNER, 31.2 MMBTU/HR	D185		NOX: LARGE SOURCE**	CO: 400 PPMV (5) [RULE 1146, 11-17-2000]; CO: 2000 PPMV (5A) [RULE 407, 4-2-1982]; NOX: 25 PPMV (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	D328.1
<b>Process 2: ASPHALT OXIDIZING</b>					
<b>System 1: ASPHALT OXIDIZING UNIT NO. 1</b>					
STILL, OXIDIZING ASPHALT, HEIGHT: 19 FT 6 IN; DIAMETER: 12 FT A/N: 387883	D21	D22		PM: (9) [RULE 404, 2-7-1986; RULE 405, 2-7-1986]	D323.2, H23.8
POT, WATER SEAL, HEIGHT: 9 FT 9 IN; DIAMETER: 9 FT 9 IN A/N: 387883	D22	D21 D37			
ACCUMULATOR, CONDENSATE, (COMMON TO ASPHALT OXIDIZING UNITS NO. 1 THROUGH 4), HEIGHT: 4 FT ; DIAMETER: 4 FT A/N: 387883	D23				
TANK, NO. 1506, WATER, (COMMON TO ASPHALT OXIDIZING UNITS NO. 1 THROUGH 6), 1100 BBL; DIAMETER: 20 FT ; HEIGHT: 20 FT A/N: 387883	D373				

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|---|---|
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<b>Process 2: ASPHALT OXIDIZING</b>					
ACCUMULATOR, NO. 1506A, OIL RECOVERY, (COMMON TO ASPHALT OXIDIZING UNITS NO. 1 THROUGH 6), HEIGHT: 16 FT ; DIAMETER: 8 FT A/N: 387883	D24				
TANK, DE-EMULSIFIER CHEMICAL, (COMMON TO ASPHALT OXIDIZING UNITS NO. 1 THROUGH 6), HEIGHT: 10 FT ; DIAMETER: 6 FT A/N: 387883	D25				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 387883	D304				H23.13
<b>System 2: ASPHALT OXIDIZING UNIT NO. 2</b>					
STILL, OXIDIZING ASPHALT, HEIGHT: 19 FT 6 IN; DIAMETER: 12 FT A/N: 286409	D26	D27		PM: (9) [RULE 404, 2-7-1986; RULE 405, 2-7-1986]	D323.2, H23.8
POT, WATER SEAL, HEIGHT: 9 FT 9 IN; DIAMETER: 9 FT 9 IN A/N: 286409	D27	D26 D37			
ACCUMULATOR, CONDENSATE, (COMMON TO ASPHALT OXIDIZING UNITS NO. 1 THROUGH 4), HEIGHT: 4 FT ; DIAMETER: 4 FT A/N: 387883	D23				
TANK, NO. 1506, WATER, (COMMON TO ASPHALT OXIDIZING UNITS NO. 1 THROUGH 6), 1100 BBL; DIAMETER: 20 FT ; HEIGHT: 20 FT A/N: 387883	D373				

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<b>Process 2: ASPHALT OXIDIZING</b>					
ACCUMULATOR, NO. 1506A, OIL RECOVERY, (COMMON TO ASPHALT OXIDIZING UNITS NO. 1 THROUGH 6), HEIGHT: 16 FT ; DIAMETER: 8 FT A/N: 387883	D24				
TANK, DE-EMULSIFIER CHEMICAL, (COMMON TO ASPHALT OXIDIZING UNITS NO. 1 THROUGH 6), HEIGHT: 10 FT ; DIAMETER: 6 FT A/N: 387883	D25				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 286409	D305				H23.13
<b>System 3: ASPHALT OXIDIZING UNIT NO. 3</b>					
STILL, OXIDIZING ASPHALT, HEIGHT: 19 FT 6 IN; DIAMETER: 12 FT A/N: 286410	D28	D29		PM: (9) [RULE 404, 2-7-1986; RULE 405, 2-7-1986]	D323.2, H23.8
POT, WATER SEAL, HEIGHT: 9 FT 9 IN; DIAMETER: 9 FT 9 IN A/N: 286410	D29	D28 D37			
ACCUMULATOR, CONDENSATE, (COMMON TO ASPHALT OXIDIZING UNITS NO. 1 THROUGH 4), HEIGHT: 4 FT ; DIAMETER: 4 FT A/N: 387883	D23				
TANK, NO. 1506, WATER, (COMMON TO ASPHALT OXIDIZING UNITS NO. 1 THROUGH 6), 1100 BBL; DIAMETER: 20 FT ; HEIGHT: 20 FT A/N: 387883	D373				

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<b>Process 2: ASPHALT OXIDIZING</b>					
ACCUMULATOR, NO. 1506A, OIL RECOVERY, (COMMON TO ASPHALT OXIDIZING UNITS NO. 1 THROUGH 6), HEIGHT: 16 FT ; DIAMETER: 8 FT A/N: 387883	D24				
TANK, DE-EMULSIFIER CHEMICAL, (COMMON TO ASPHALT OXIDIZING UNITS NO. 1 THROUGH 6), HEIGHT: 10 FT ; DIAMETER: 6 FT A/N: 387883	D25				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 286410	D306				H23.13
<b>System 4: ASPHALT OXIDIZING UNIT NO. 4</b>					
STILL, OXIDIZING ASPHALT, HEIGHT: 19 FT 6 IN; DIAMETER: 12 FT A/N: 286411	D30	D31		PM: (9) [RULE 404, 2-7-1986; RULE 405, 2-7-1986]	D323.2, H23.8
POT, WATER SEAL, HEIGHT: 9 FT 9 IN; DIAMETER: 9 FT 9 IN A/N: 286411	D31	D30 D37			
ACCUMULATOR, CONDENSATE, (COMMON TO ASPHALT OXIDIZING UNITS NO. 1 THROUGH 4), HEIGHT: 4 FT ; DIAMETER: 4 FT A/N: 387883	D23				
TANK, NO. 1506, WATER, (COMMON TO ASPHALT OXIDIZING UNITS NO. 1 THROUGH 6), 1100 BBL; DIAMETER: 20 FT ; HEIGHT: 20 FT A/N: 387883	D373				

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<b>Process 2: ASPHALT OXIDIZING</b>					
ACCUMULATOR, NO. 1506A, OIL RECOVERY, (COMMON TO ASPHALT OXIDIZING UNITS NO. 1 THROUGH 6), HEIGHT: 16 FT ; DIAMETER: 8 FT A/N: 387883	D24				
TANK, DE-EMULSIFIER CHEMICAL, (COMMON TO ASPHALT OXIDIZING UNITS NO. 1 THROUGH 6), HEIGHT: 10 FT ; DIAMETER: 6 FT A/N: 387883	D25				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 286411	D307				H23.13
<b>System 5: ASPHALT OXIDIZING UNIT NO. 5</b>					
STILL, OXIDIZING ASPHALT, HEIGHT: 20 FT ; DIAMETER: 13 FT 6 IN A/N: 286412	D32	D33		PM: (9) [RULE 404, 2-7-1986; RULE 405, 2-7-1986]	D323.2, H23.8
POT, WATER SEAL, HEIGHT: 10 FT ; DIAMETER: 9 FT A/N: 286412	D33	D32 D37			
ACCUMULATOR, CONDENSATE, (COMMON TO ASPHALT OXIDIZING UNITS NO. 5 AND 6), HEIGHT: 4 FT ; DIAMETER: 4 FT A/N: 286412	D34				
TANK, NO. 1506, WATER, (COMMON TO ASPHALT OXIDIZING UNITS NO. 1 THROUGH 6), 1100 BBL; DIAMETER: 20 FT ; HEIGHT: 20 FT A/N: 387883	D373				

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<b>Process 2: ASPHALT OXIDIZING</b>					
ACCUMULATOR, NO. 1506A, OIL RECOVERY, (COMMON TO ASPHALT OXIDIZING UNITS NO. 1 THROUGH 6), HEIGHT: 16 FT ; DIAMETER: 8 FT A/N: 387883	D24				
TANK, DE-EMULSIFIER CHEMICAL, (COMMON TO ASPHALT OXIDIZING UNITS NO. 1 THROUGH 6), HEIGHT: 10 FT ; DIAMETER: 6 FT A/N: 387883	D25				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 286412	D308				H23.13
<b>System 6: ASPHALT OXIDIZING UNIT NO. 6</b>					
STILL, OXIDIZING ASPHALT, HEIGHT: 20 FT ; DIAMETER: 13 FT 6 IN A/N: 286413	D35	D36		PM: (9) [RULE 404, 2-7-1986; RULE 405, 2-7-1986]	D323.2, H23.8
POT, WATER SEAL, HEIGHT: 10 FT ; DIAMETER: 9 FT A/N: 286413	D36	D35 D37			
ACCUMULATOR, CONDENSATE, (COMMON TO ASPHALT OXIDIZING UNITS NO. 5 AND 6), HEIGHT: 4 FT ; DIAMETER: 4 FT A/N: 286412	D34				
TANK, NO. 1506, WATER, (COMMON TO ASPHALT OXIDIZING UNITS NO. 1 THROUGH 6), 1100 BBL; DIAMETER: 20 FT ; HEIGHT: 20 FT A/N: 387883	D373				

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| <ul style="list-style-type: none"> <li>* (1) (1A) (1B) Denotes RECLAIM emission factor</li> <li>(3) Denotes RECLAIM concentration limit</li> <li>(5) (5A) (5B) Denotes command and control emission limit</li> <li>(7) Denotes NSR applicability limit</li> <li>(9) See App B for Emission Limits</li> </ul> | <ul style="list-style-type: none"> <li>(2) (2A) (2B) Denotes RECLAIM emission rate</li> <li>(4) Denotes BACT emission limit</li> <li>(6) Denotes air toxic control rule limit</li> <li>(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)</li> <li>(10) See section J for NESHAP/MACT requirements</li> </ul> |
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<b>Process 2: ASPHALT OXIDIZING</b>					
ACCUMULATOR, NO. 1506A, OIL RECOVERY, (COMMON TO ASPHALT OXIDIZING UNITS NO. 1 THROUGH 6), HEIGHT: 16 FT ; DIAMETER: 8 FT A/N: 387883	D24				
TANK, DE-EMULSIFIER CHEMICAL, (COMMON TO ASPHALT OXIDIZING UNITS NO. 1 THROUGH 6), HEIGHT: 10 FT ; DIAMETER: 6 FT A/N: 387883	D25				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 286413	D309				H23.13
<b>System 7: ASPHALT OXIDIZING STILL VAPOR COLLECTION</b>					S15.1, S31.1
KNOCK OUT POT, VAPOR SEAL, NO. 1, HEIGHT: 8 FT ; DIAMETER: 1 FT 8 IN A/N: 283555	D37	D22 D27 D29 D31 D33 D36			
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 283555	D310				H23.13
<b>System 8: ASPHALT PROCESS HEATING SYSTEM</b>					

\* (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 EDGINGTON OIL COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 2: ASPHALT OXIDIZING</b>					
HEATER, ASPHALT HEATER, H-52, NATURAL GAS, WITH LOW NOX BURNER, 14 MMBTU/HR WITH A/N: 284207  BURNER, NATURAL GAS, JOHN ZINK, MODEL PSMR-12M, WITH FOUR (4) LOW NOX BURNERS, WITH LOW NOX BURNER, 14 MMBTU/HR	D180		NOX: PROCESS UNIT**	CO: 400 PPMV (5) [RULE 1146, 11-17-2000]; CO: 2000 PPMV (5A) [RULE 407, 4-2-1982]; NOX: 0.045 LBS/MMBTU (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	C1.3, C1.4, D328.1
<b>System 9: ASPHALT BLENDING - POLYMERS</b>					
TANK, BLENDING, D-1801, POLYMER/ASPHALT, VENTED TO A WATER SEAL, HEIGHT: 17 FT ; DIAMETER: 10 FT A/N: 372027	D357				C1.14
MILL, ML-1801, POLYMER A/N: 372027	D358				
CONVEYOR, POLYMER A/N: 372027	D359				
<b>Process 3: TREATING/STRIPPING</b>					
<b>System 1: FUEL OIL CLAY TREATING</b>					
SCRUBBER, PACKED BED, D-310, CAUSTIC, HEIGHT: 35 FT ; DIAMETER: 7 FT A/N: 387882	D283				
TANK, SETTLER, D-1201, CAUSTIC, LENGTH: 31 FT ; DIAMETER: 8 FT A/N: 387882	D367				

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| * (1) (1A) (1B) Denotes RECLAIM emission factor<br>(3) Denotes RECLAIM concentration limit<br>(5) (5A) (5B) Denotes command and control emission limit<br>(7) Denotes NSR applicability limit<br>(9) See App B for Emission Limits | (2) (2A) (2B) Denotes RECLAIM emission rate<br>(4) Denotes BACT emission limit<br>(6) Denotes air toxic control rule limit<br>(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)<br>(10) See section J for NESHAP/MACT requirements |
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## FACILITY PERMIT TO OPERATE EDGINGTON OIL COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 3: TREATING/STRIPPING</b>					
FILTER, SAND, D-1202, LENGTH: 10 FT 9 IN; DIAMETER: 6 FT A/N: 387882	D368				
DRYER, SALT, D-1203, DIA.: 72 FT; LENGTH: 15 FT A/N: 387882	D369				
DRYER, SALT, D-1206, DIA.: 6 FT; LENGTH: 16 FT A/N: 387882	D370				
VESSEL, CLAY, D-1204 & D-1205, 2 TOTAL, HEIGHT: 16 FT ; DIAMETER: 6 FT A/N: 387882	D371				
VESSEL, CLAY, D-1207, HEIGHT: 20 FT ; DIAMETER: 7 FT A/N: 387882	D372				
FILTER, F-1201 A/N: 387882	D284				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 387882	D332				H23.13
<b>System 2: SOUR WATER STRIPPING SYSTEM</b>					S15.2
TOWER, NO. 301, SOUR WATER, HEIGHT: 32 FT ; DIAMETER: 3 FT A/N: 282413	D51				
ACCUMULATOR, D-301, SOUR WATER, HEIGHT: 6 FT ; DIAMETER: 6 FT A/N: 282413	D52				
KNOCK OUT POT, D-302, STRIPPER OVERHEAD, HEIGHT: 3 FT 6 IN; DIAMETER: 2 FT A/N: 282413	D53				

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| <ul style="list-style-type: none"> <li>* (1) (1A) (1B) Denotes RECLAIM emission factor</li> <li>(3) Denotes RECLAIM concentration limit</li> <li>(5) (5A) (5B) Denotes command and control emission limit</li> <li>(7) Denotes NSR applicability limit</li> <li>(9) See App B for Emission Limits</li> </ul> | <ul style="list-style-type: none"> <li>(2) (2A) (2B) Denotes RECLAIM emission rate</li> <li>(4) Denotes BACT emission limit</li> <li>(6) Denotes air toxic control rule limit</li> <li>(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)</li> <li>(10) See section J for NESHAP/MACT requirements</li> </ul> |
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## FACILITY PERMIT TO OPERATE EDGINGTON OIL COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 3: TREATING/STRIPPING</b>					
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 282413	D312				H23.13
<b>System 3: WASTE WATER TREATMENT SYSTEM</b>					S13.3
SUMP, UNDERGROUND, WASTE WATER, FIXED COVER, (EAST TANK FARM AREA AT RACK NO. 7) A/N: 287851	D54				
SUMP, UNDERGROUND, WASTE WATER, FIXED COVER, (EAST TANK FARM AREA AT RACK NO. 6) A/N: 287851	D55				
SUMP, UNDERGROUND, WASTE WATER, FIXED COVER, (LOCATED AT WEST END OF EAST TANK FARM) A/N: 287851	D56				
SUMP, UNDERGROUND, WASTE WATER, FIXED COVER, (LOCATED IN PIPELINE SHIPPING AREA) A/N: 287851	D57				
SUMP, UNDERGROUND, WASTE WATER, FIXED COVER, (LOCATED AT NORTHEAST CORNER OF MIDDLE TANK FARM AREA) A/N: 287851	D58				
SUMP, UNDERGROUND, WASTE WATER, FIXED COVER, (LOCATED AT THE AB PLANT) A/N: 287851	D59				

- \* (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

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## FACILITY PERMIT TO OPERATE EDGINGTON OIL COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 3: TREATING/STRIPPING</b>					
SUMP, UNDERGROUND, WASTE WATER, FIXED COVER, (LOCATED AT THE EMULSION PLANT) A/N: 287851	D60				
SUMP, UNDERGROUND, WASTE WATER, FIXED COVER, (LOCATED AT SOUTH END OF CRUDE UNIT #2) A/N: 287851	D61				
SUMP, UNDERGROUND, WASTE WATER, FIXED COVER, (LOCATED AT CRUDE UNIT #1) A/N: 287851	D62				
SUMP, UNDERGROUND, WASTE WATER, FIXED COVER, (LOCATED IN WEST TANK FARM AREA) A/N: 287851	D63				
TANK, SURGE, T-1401, BLADDER TYPE, OIL WATER, 1100 BBL; DIAMETER: 16 FT ; HEIGHT: 32 FT A/N: 287851	D64				
STORAGE TANK, INTERNAL FLOATING ROOF, NO. T-6001, WASTE WATER, 6000 BBL; DIAMETER: 30 FT ; HEIGHT: 41 FT 1 IN WITH A/N: 471224  FLOATING ROOF, WELDED SHELL  PRIMARY SEAL, CATEGORY A, MECHANICAL SHOE	D272				C6.2, K67.4

- \* (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.)
- (10) See section J for NESHAP/MACT requirements

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## FACILITY PERMIT TO OPERATE EDGINGTON OIL COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 3: TREATING/STRIPPING</b>					
AIR FLOATATION UNIT, FOUR CELLS, FIXED COVER A/N: 287851	D67				
STORAGE TANK, INTERNAL FLOATING ROOF, NO.6303, WASTE WATER, WITH STEAM COIL, 6300 BBL; DIAMETER: 33 FT 6 IN; HEIGHT: 40 FT WITH A/N: 471226  FLOATING ROOF, WELDED SHELL  PRIMARY SEAL, MECHANICAL SHOE, CATAGORY A	D68				C1.11, C6.2, K67.4
STORAGE TANK, INTERNAL FLOATING ROOF, NO.6304, WASTE WATER, SLOP OIL, WITH STEAM COIL, 6300 BBL; DIAMETER: 33 FT 6 IN; HEIGHT: 40 FT WITH A/N: 471227  FLOATING ROOF, WELDED SHELL  PRIMARY SEAL, MECHANICAL SHOE, CATAGORY A	D69				C1.11, C6.2, K67.4
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 287851	D313				H23.13
DRAIN SYSTEM COMPONENT A/N: 287851	D350				
<b>Process 4: LOADING/UNLOADING</b>					

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

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## FACILITY PERMIT TO OPERATE EDGINGTON OIL COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 4: LOADING/UNLOADING</b>					
<b>System 1: NINE-POSITION ASPHALT/FUEL OIL TANK CAR LOADING</b>					
LOADING ARM, TANK CAR, TOP, ASPHALT, WITH A CONCENTRIC 8"-DIA FUME COLLECTION HEAD, NINE TOTAL, DIAMETER: 4 IN A/N: 387881	D70	C88		VOC: (9) [RULE 1108, 2-1-1985]	D323.2
LOADING ARM, TANK CAR, TOP, FUEL OIL, SWING JOINT, WITH A FLEXIBLE HOSE, NINE TOTAL, DIAMETER: 4 IN A/N: 387881	D79	C88			
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 387881	D314				H23.13
<b>System 2: AIR POLLUTION CONTROL - NINE-POSITION ASPHALT/FUEL OIL TANK CAR LOADING</b>					
MIST ELIMINATOR, BRINK, TYPE AVS-500 A/N: 282433	C88	D70 D79			D12.2
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 282433	D315				H23.13
<b>System 3: TWO-POSITION ASPHALT TANK TRUCK-WEST LOADING RACK NOS. 1 &amp; 2</b>					
LOADING ARM, TANK TRUCK, TOP, ASPHALT, WITH A 6"-DIA DISPLACED VAPOR RECOVERY HEAD, (SE LOADING AREA), FOUR TOTAL, DIAMETER: 4 IN A/N: 479059	D89	C101 C102		VOC: (9) [RULE 1108, 2-1-1985]	D323.2

\* (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 EDGINGTON OIL COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 4: LOADING/UNLOADING</b>					
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 479059	D316				H23.13
<b>System 4: ASPHALT BLENDING AND LOADING RACK NO. 5</b>					
LOADING ARM, ASPHALT, TWO TOTAL, DIAMETER: 4 IN A/N: 479061	D93	C101 C102		VOC: (9) [RULE 1108, 2-1-1985]	D323.2
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 479061	D317				H23.13
<b>System 5: TWO-POSITION ASPHALT/FUEL OIL TANK TRUCK-EAST LOADING RACK NOS 3, 4, &amp; 8</b>					
LOADING ARM, TANK TRUCK, TOP, RACK NOS. 3 & 4, ASPHALT, WITH A 6"-DIA DISPLACED VAPOR RECOVERY HEAD, (SE LOADING AREA), FOUR TOTAL, DIAMETER: 4 IN A/N: 479062	D95	C101 C102		VOC: (9) [RULE 1108, 2-1-1985]	D323.2
LOADING ARM, TANK TRUCK, TOP, RACK NO.8, FUEL OIL, (SE LOADING AREA), TWO TOTAL, DIAMETER: 4 IN A/N: 479064	D99	C101 C102			
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 479064	D318				H23.13
<b>System 6: AIR POLLUTION CONTROL - ASPHALT TANK TRUCK EAST/WEST LOADING</b>					
MIST ELIMINATOR, KOCH, TYPE 2496, 1500 SCFM CAPACITY A/N: 479066	C101	D89 D93 D95 D99			D12.2

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| <ul style="list-style-type: none"> <li>* (1) (1A) (1B) Denotes RECLAIM emission factor</li> <li>(3) Denotes RECLAIM concentration limit</li> <li>(5) (5A) (5B) Denotes command and control emission limit</li> <li>(7) Denotes NSR applicability limit</li> <li>(9) See App B for Emission Limits</li> </ul> | <ul style="list-style-type: none"> <li>(2) (2A) (2B) Denotes RECLAIM emission rate</li> <li>(4) Denotes BACT emission limit</li> <li>(6) Denotes air toxic control rule limit</li> <li>(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)</li> <li>(10) See section J for NESHAP/MACT requirements</li> </ul> |
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## FACILITY PERMIT TO OPERATE EDGINGTON OIL COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 4: LOADING/UNLOADING</b>					
MIST ELIMINATOR, BRINK, TYPE 2496, 1000 CFM CAPACITY, HEIGHT: 14 FT 2 IN; DIAMETER: 2 FT 6 IN A/N: 479068	C102	D89 D93 D95 D99			D12.2
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 479068	D319				H23.13
<b>System 7: SINGLE-POSITION ASPHALT TANK TRUCK LOADING</b>					
LOADING ARM, TANK TRUCK, TOP, ASPHALT, WITH A 6"-DIA FUME RECOVERY HOSE, (GRAVITY FED, RECESSED RAMP), SEVEN TOTAL, DIAMETER: 4 IN A/N: 282431	D103	C112		VOC: (9) [RULE 1108, 2-1-1985]	D323.2
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 282431	D320				H23.13
<b>System 8: ASPHALT COATING LOADING RACK NO. 10</b>					
LOADING ARM, ASPHALT, WITH AN INLINE BLENDER, TWO TOTAL, DIAMETER: 4 IN A/N: 286414	D110	C112		VOC: (9) [RULE 1108, 2-1-1985]	D323.2
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 286414	D321				H23.13
<b>System 9: AIR POLLUTION CONTROL SERVING ASPHALT TANK TRUCK LOADING</b>					
MIST ELIMINATOR, BRINK, 1000 SCFM CAPACITY A/N: 282446	C112	D103 D110			D12.2

\* (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

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## FACILITY PERMIT TO OPERATE EDGINGTON OIL COMPANY

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 4: LOADING/UNLOADING</b>					
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 282446	D322				H23.13
<b>System 10: LUBE OIL (FUEL OIL) LOADING RACK NO. 7</b>					
LOADING ARM, TOP, LUBE OIL, (FUEL OIL), WITH EXTENSION FOR SUBMERGED FILLING AND AN INLINE BLENDER, 2 TOTAL, DIAMETER: 3 IN A/N: 283542	D113				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 283542	D326				H23.13
<b>System 11: SINGLE-POSITION FUEL OIL LOADING</b>					
LOADING ARM, CHICKSAN SWING SPOUT, FUEL OIL, WITH EXTENDED DROP TUBE FOR PARTIAL SUBMERGED FILL, TWO TOTAL, DIAMETER: 4 IN A/N: 387884	D115				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 387884	D327				H23.13
<b>Process 5: STORAGE TANKS</b>					
<b>System 1: INORGANIC STORAGE TANKS</b>					
STORAGE TANK, FIXED ROOF, NO. 803, SPENT CAUSTIC, 28000 GALS; DIAMETER: 15 FT 3 IN; HEIGHT: 27 FT 5 IN A/N: 282417	D118				

\* (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

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## FACILITY PERMIT TO OPERATE EDGINGTON OIL COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 5: STORAGE TANKS</b>					
STORAGE TANK, FIXED ROOF, NO. 1513, SPENT CAUSTIC, 1500 BBL; DIAMETER: 21 FT ; HEIGHT: 16 FT A/N: 282418	D39				
<b>System 2: FIXED ROOF STORAGE TANKS</b>					
STORAGE TANK, FIXED ROOF, NO.1103, ASPHALT, CONNECTED TO A WATER SEAL DRUM, WITH NITROGEN BLANKET, 1100 BBL; DIAMETER: 19 FT ; HEIGHT: 21 FT A/N: 471153	D128	D174			C6.5, D12.3, D323.2, K67.4
STORAGE TANK, FIXED ROOF, NO.1104, ASPHALT, CONNECTED TO A WATER SEAL DRUM, WITH NITROGEN BLANKET, 1100 BBL; DIAMETER: 19 FT ; HEIGHT: 21 FT A/N: 471158	D129	D174			C6.5, D12.3, D323.2, K67.4
STORAGE TANK, FIXED ROOF, NO.1105, ASPHALT, WITH NITROGEN BLANKET, 1100 BBL; DIAMETER: 19 FT ; HEIGHT: 21 FT A/N: 471163	D130	D174			C6.5, D12.3, D323.2, K67.4
STORAGE TANK, FIXED ROOF, NO.1106, ASPHALT, CONNECTED TO A WATER SEAL DRUM, WITH NITROGEN BLANKET, 1100 BBL; DIAMETER: 19 FT ; HEIGHT: 21 FT A/N: 471165	D131	D174			C6.5, D12.3, D323.2, K67.4

\* (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  
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## FACILITY PERMIT TO OPERATE EDGINGTON OIL COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 5: STORAGE TANKS</b>					
STORAGE TANK, FIXED ROOF, NO.1107, ASPHALT, CONNECTED TO A WATER SEAL DRUM, WITH NITROGEN BLANKET, 1100 BBL; DIAMETER: 19 FT ; HEIGHT: 21 FT A/N: 471167	D132	D174			C6.5, D12.3, D323.2, K67.4
STORAGE TANK, FIXED ROOF, NO.1108, ASPHALT, WITH NITROGEN BLANKET, 1100 BBL; DIAMETER: 15 FT 6 IN; HEIGHT: 30 FT A/N: 283532	D133	D174			C6.5, D12.3, D323.2, K67.4
STORAGE TANK, FIXED ROOF, NO.1511, HEIGHT: 24 FT ; DIAMETER: 21 FT 6 IN A/N: 286431	D137				D323.3, H23.16, K67.4
STORAGE TANK, FIXED ROOF, NO.1802, ASPHALT, WITH INTERNAL HEATING COILS, CONNECTED TO A WATER SEAL DRUM, 1800 BBL; DIAMETER: 27 FT ; HEIGHT: 18 FT A/N: 471169	D139				C6.5, D12.3, D323.3, H23.16, K67.4
STORAGE TANK, FIXED ROOF, NO.1901, ASPHALT, WITH MIXER AND INTERNAL HEATING COILS, CONNECTED TO A WATER SEAL DRUM, 1500 BBL; DIAMETER: 21 FT 6 IN; HEIGHT: 31 FT 6 IN A/N: 471171	D140				C6.5, D12.3, D323.3, K67.4

\* (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 EDGINGTON OIL COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 5: STORAGE TANKS</b>					
STORAGE TANK, FIXED ROOF, NO.1902, ASPHALT, WITH INTERNAL HEATING COILS AND MIXER, CONNECTED TO A WATER SEAL DRUM, 1500 BBL; DIAMETER: 21 FT 6 IN; HEIGHT: 31 FT 6 IN A/N: 471173	D141				C6.5, D12.3, D323.3, K67.4
STORAGE TANK, FIXED ROOF, NO.2201, 2200 BBL; DIAMETER: 26 FT ; HEIGHT: 24 FT A/N: 283507	D142				D323.3, H23.16, K67.4
STORAGE TANK, FIXED ROOF, NO.2202, 2200 BBL; DIAMETER: 26 FT ; HEIGHT: 24 FT A/N: 283316	D143				D323.3, H23.16, K67.4
STORAGE TANK, FIXED ROOF, NO.2203, ASPHALT, WITH INTERNAL HEATING COILS AND MIXER, CONNECTED TO A WATER SEAL DRUM, 2000 BBL; DIAMETER: 30 FT ; HEIGHT: 18 FT A/N: 471200	D144				C6.5, D12.3, D323.2, K67.4
STORAGE TANK, FIXED ROOF, NO.2204, ASPHALT, WITH INTERNAL HEATING COILS AND MIXER, CONNECTED TO A WATER SEAL DRUM, 2000 BBL; DIAMETER: 30 FT ; HEIGHT: 18 FT A/N: 471201	D145				C6.5, D12.3, D323.2, K67.4

- \* (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.)
- (10) See section J for NESHAP/MACT requirements

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## FACILITY PERMIT TO OPERATE EDGINGTON OIL COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 5: STORAGE TANKS</b>					
STORAGE TANK, FIXED ROOF, NO.2205, ASPHALT EMULSION BASE, WITH INTERNAL HEATING COILS, CONNECTED TO A WATER SEAL DRUM, 2000 BBL; DIAMETER: 30 FT ; HEIGHT: 18 FT A/N: 368877	D296				A63.2, C1.6, C6.1, D323.2, H23.4
STORAGE TANK, FIXED ROOF, NO.2206, ASPHALT EMULSION BASE, WITH INTERNAL HEATING COILS, CONNECTED TO A WATER SEAL DRUM, 2000 BBL; DIAMETER: 30 FT ; HEIGHT: 18 FT A/N: 369157	D297				A63.2, C1.6, C6.1, D323.2, H23.4
STORAGE TANK, FIXED ROOF, NO.2207, ASPHALT EMULSION BASE, WITH INTERNAL HEATING COILS, CONNECTED TO A WATER SEAL DRUM, 2000 BBL; DIAMETER: 30 FT ; HEIGHT: 18 FT A/N: 369168	D298				A63.2, C1.6, C6.1, D323.2, H23.4
STORAGE TANK, FIXED ROOF, NO.2208, ASPHALT EMULSION BASE, WITH INTERNAL HEATING COILS, CONNECTED TO A WATER SEAL DRUM, 2000 BBL; DIAMETER: 30 FT ; HEIGHT: 18 FT A/N: 369170	D299				A63.2, C1.6, C6.1, D323.2, H23.4

\* (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

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## FACILITY PERMIT TO OPERATE EDGINGTON OIL COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 5: STORAGE TANKS</b>					
STORAGE TANK, FIXED ROOF, NO. 2701, NITROGEN BLANKETED, ASPHALT, WITH INTERNAL HEATING COILS AND MIXER, CONNECTED TO A WATER SEAL DRUM, 2700 BBL; DIAMETER: 26 FT 2 IN; HEIGHT: 29 FT A/N: 471215	D360				C1.9, D323.2, H23.4
STORAGE TANK, FIXED ROOF, NO. 2702, ASPHALT, NITROGEN BLANKETED, WITH INTERNAL HEATING COILS, CONNECTED TO A WATER SEAL DRUM, 2700 BBL; DIAMETER: 26 FT ; HEIGHT: 29 FT A/N: 471238	D146				C6.6, D323.2, K67.4
STORAGE TANK, FIXED ROOF, NO.3001, ASPHALT, 3000 BBL; DIAMETER: 26 FT 5 IN; HEIGHT: 30 FT A/N: 285982	D147	D174			C6.5, D12.3, D323.2, K67.4
STORAGE TANK, FIXED ROOF, NO.4001, 4000 BBL; DIAMETER: 31 FT ; HEIGHT: 30 FT A/N: 283313	D148				D323.3, H23.16, K67.4
STORAGE TANK, FIXED ROOF, NO.4002, 4000 BBL; DIAMETER: 31 FT ; HEIGHT: 30 FT A/N: 283317	D149				D323.3, H23.16, K67.4
STORAGE TANK, FIXED ROOF, NO.5002, 5000 BBL; DIAMETER: 38 FT ; HEIGHT: 30 FT A/N: 283315	D150				D323.3, H23.16, K67.4

- \* (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

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## FACILITY PERMIT TO OPERATE EDGINGTON OIL COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 5: STORAGE TANKS</b>					
STORAGE TANK, FIXED ROOF, NO.5004, 5000 BBL; DIAMETER: 39 FT 6 IN; HEIGHT: 24 FT A/N: 282410	D151				H23.16, K67.4
STORAGE TANK, FIXED ROOF, NO. 6006, ASPHALT, WITH INTERNAL HEATING COILS AND MIXER, CONNECTED TO A WATER SEAL DRUM, 6300 BBL; DIAMETER: 32 FT ; HEIGHT: 48 FT A/N: 471108	D152				B22.1, K67.4
STORAGE TANK, FIXED ROOF, NO. 6004, ASPHALT, EQUIPPED WITH INTERNAL HEATING COILS, CONNECTED TO A WATER SEAL DRUM, 6300 BBL; DIAMETER: 33 FT 6 IN; HEIGHT: 41 FT A/N: 359252	D153				B22.1, K67.4
STORAGE TANK, FIXED ROOF, NO. 6003, ASPHALT, EQUIPPED WITH INTERNAL HEATING COILS, CONNECTED TO A WATER SEAL DRUM, 6300 BBL; DIAMETER: 33 FT ; HEIGHT: 41 FT A/N: 373504	D154				C6.4, D12.3, D323.2, K67.4
STORAGE TANK, FIXED ROOF, NO.6305, 6000 BBL; DIAMETER: 33 FT 6 IN; HEIGHT: 40 FT A/N: 471217	D155				D323.3, K67.4
STORAGE TANK, FIXED ROOF, NO. 12011, WITH NITROGEN BLANKET, 12000 BBL; DIAMETER: 42 FT 6 IN; HEIGHT: 48 FT A/N: 282424	D162				H23.16, K67.4

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| <ul style="list-style-type: none"> <li>* (1) (1A) (1B) Denotes RECLAIM emission factor</li> <li>(3) Denotes RECLAIM concentration limit</li> <li>(5) (5A) (5B) Denotes command and control emission limit</li> <li>(7) Denotes NSR applicability limit</li> <li>(9) See App B for Emission Limits</li> </ul> | <ul style="list-style-type: none"> <li>(2) (2A) (2B) Denotes RECLAIM emission rate</li> <li>(4) Denotes BACT emission limit</li> <li>(6) Denotes air toxic control rule limit</li> <li>(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)</li> <li>(10) See section J for NESHAP/MACT requirements</li> </ul> |
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## FACILITY PERMIT TO OPERATE EDGINGTON OIL COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 5: STORAGE TANKS</b>					
STORAGE TANK, FIXED ROOF, NO. 12012, WITH NITROGEN BLANKET, 12000 BBL; DIAMETER: 42 FT 6 IN; HEIGHT: 48 FT A/N: 282425	D163				H23.16, K67.4
STORAGE TANK, FIXED ROOF, STEAM HEATED, NO.30009, 30000 BBL; DIAMETER: 67 FT ; HEIGHT: 48 FT A/N: 283308	D169				H23.16, K67.4
STORAGE TANK, FIXED ROOF, NO. 36001, ASPHALT, WITH STEAM HEATING COIL, AND CONNECTED TO A WATER SEAL DRUM, 36000 BBL; DIAMETER: 73 FT ; HEIGHT: 48 FT A/N: 371311	D170				C6.1, D12.3, D323.2, K67.4
STORAGE TANK, FIXED ROOF, NO.36002, ASPHALT, WITH INTERNAL HEATING COILS AND MIXER, CONNECTED TO A WATER SEAL DRUM, 36000 BBL; DIAMETER: 73 FT ; HEIGHT: 48 FT A/N: 471217	D171				D323.3, K67.4
STORAGE TANK, FIXED ROOF, HEATED, NO.36003, ASPHALT, WITH INTERNAL HEATING COILS AND MIXER, CONNECTED TO A WATER SEAL DRUM, 36000 BBL; DIAMETER: 73 FT ; HEIGHT: 48 FT A/N: 471216	D172				D323.3, K67.4

\* (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  
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## FACILITY PERMIT TO OPERATE EDGINGTON OIL COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 5: STORAGE TANKS</b>					
STORAGE TANK, FIXED ROOF, NO.36004, ASPHALT, WITH INTERNAL HEATING COILS AND MIXER, CONNECTED TO A WATER SEAL DRUM, 36000 BBL; DIAMETER: 73 FT ; HEIGHT: 48 FT A/N: 471218	D173				D323.3, K67.4
<b>System 3: INTERNAL FLOATING ROOF STORAGE TANKS</b>					S13.4
STORAGE TANK, INTERNAL FLOATING ROOF, NO.12005, WITH A 15 H.P. MIXER, 12000 BBL; DIAMETER: 42 FT 6 IN; HEIGHT: 48 FT WITH A/N: 471219  FLOATING ROOF, WELDED SHELL  PRIMARY SEAL, CATEGORY A, MECHANICAL SHOE	D156				C6.2, K67.4
STORAGE TANK, INTERNAL FLOATING ROOF, NO.12006, WITH A 15 H.P. MIXER, 12000 BBL; DIAMETER: 42 FT 6 IN; HEIGHT: 48 FT WITH A/N: 471220  FLOATING ROOF, WELDED SHELL  PRIMARY SEAL, CATEGORY A, MECHANICAL SHOE	D157				C6.3, K67.4

\* (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  
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## FACILITY PERMIT TO OPERATE EDGINGTON OIL COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 5: STORAGE TANKS</b>					
STORAGE TANK, INTERNAL FLOATING ROOF, NO.12007, 12000 BBL; DIAMETER: 42 FT 6 IN; HEIGHT: 45 FT WITH A/N: 471228  FLOATING ROOF, WELDED SHELL  PRIMARY SEAL, CATEGORY A, MECHANICAL SHOE  SECONDARY SEAL, CATEGORY B, WIPER	D158				C1.12, C6.3, K67.4
STORAGE TANK, INTERNAL FLOATING ROOF, NO.12008, 12000 BBL; DIAMETER: 42 FT 6 IN; HEIGHT: 48 FT WITH A/N: 471221  FLOATING ROOF, WELDED SHELL  PRIMARY SEAL, LIQUID FILLED	D159				C6.3, K67.4

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

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## FACILITY PERMIT TO OPERATE EDGINGTON OIL COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 5: STORAGE TANKS</b>					
STORAGE TANK, INTERNAL FLOATING ROOF, NO.12009, 12000 BBL; DIAMETER: 42 FT 6 IN; HEIGHT: 48 FT WITH A/N: 471222  FLOATING ROOF, WELDED SHELL  PRIMARY SEAL, CATEGORY B, WIPER TYPE	D160				C6.2, K67.4
STORAGE TANK, INTERNAL FLOATING ROOF, NO.12010, 12000 BBL; DIAMETER: 42 FT 6 IN; HEIGHT: 45 FT WITH A/N: 471229  FLOATING ROOF, WELDED SHELL  PRIMARY SEAL, WIPER TYPE  SECONDARY SEAL, WIPER TYPE	D161				C1.12, C6.3, K67.4

\* (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

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 5: STORAGE TANKS</b>					
STORAGE TANK, INTERNAL FLOATING ROOF, STEAM HEATED, NO.30003, CRUDE OIL, 30000 BBL; DIAMETER: 70 FT ; HEIGHT: 45 FT WITH A/N: 471230  FLOATING ROOF, WELDED SHELL  PRIMARY SEAL, METALLIC SHOE, CATEGORY A	D164				C1.13, C6.3, K67.4
STORAGE TANK, INTERNAL FLOATING ROOF, STEAM HEATED, NO.30004, CRUDE OIL, 30000 BBL; DIAMETER: 70 FT ; HEIGHT: 45 FT WITH A/N: 471231  FLOATING ROOF, WELDED SHELL  PRIMARY SEAL, METALLIC SHOE, CATEGORY A	D165				C1.13, C6.3, K67.4

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

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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
<b>Process 5: STORAGE TANKS</b>					
STORAGE TANK, INTERNAL FLOATING ROOF, STEAM HEATED, NO.30006, CRUDE OIL, 30000 BBL; DIAMETER: 67 FT ; HEIGHT: 48 FT WITH A/N: 471232  FLOATING ROOF, WELDED SHELL  PRIMARY SEAL, METALLIC SHOE, CATEGORY A	D166				C1.13, C6.3, K67.4
STORAGE TANK, INTERNAL FLOATING ROOF, NO.30007, 30000 BBL; DIAMETER: 67 FT ; HEIGHT: 48 FT WITH A/N: 471223  FLOATING ROOF, WELDED SHELL  PRIMARY SEAL, CATEGORY B, WIPER TYPE	D167				C6.3, K67.4

\* (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  
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 5: STORAGE TANKS</b>					
STORAGE TANK, INTERNAL FLOATING ROOF, NO.30008, NO. 2 FUEL OIL, GAS OIL, NAPHTHA, 30000 BBL; DIAMETER: 67 FT ; HEIGHT: 48 FT WITH A/N: 411067  FLOATING ROOF, WELDED SHELL  PRIMARY SEAL, CATEGORY B OR BETTER PER RULE 219(C)(4), VAPOR MOUNTED WIPER  SECONDARY SEAL, CATEGORY B OR BETTER PER RULE 219(C) (4), WIPER TYPE	D168				C1.10, C6.2, H23.11
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 471223	D329				H23.13
<b>System 4: AIR POLLUTION CONTROL</b>					
KNOCK OUT POT, HEIGHT: 5 FT ; DIAMETER: 3 FT A/N: 283536	D174	D128 D129 D130 D131 D132 D133 D147 C175			
MIST ELIMINATOR, BRINK, 1000 SCFM CAPACITY A/N: 283536	C175	D174			D12.2
<b>Process 7: STEAM GENERATION</b>					

\* (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

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 7: STEAM GENERATION</b>					
BOILER, B-302, NATURAL GAS, CLEVER BROOKS, MODEL DL-68, WITH LOW NOX BURNER, 35 MMBTU/HR WITH  A/N: 278526  BURNER, NATURAL GAS, WITH LOW NOX BURNER, 35 MMBTU/HR	D194		NOX: LARGE SOURCE**	CO: 400 PPMV (5) [RULE 1146, 11-17-2000]; CO: 2000 PPMV (5A) [RULE 407, 4-2-1982]; NOX: 37 PPMV (3) [RULE 2012, 5-6-2005]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	D328.1
BOILER, B-301, NATURAL GAS, 35 MMBTU/HR  A/N:	D196		NOX: LARGE SOURCE**	CO: 400 PPMV (5) [RULE 1146, 11-17-2000]; CO: 2000 PPMV (5A) [RULE 407, 4-2-1982]; NOX: 37 PPMV (3) [RULE 2012, 5-6-2005]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	D328.1
<b>Process 8: MISCELLANEOUS</b>					
<b>System 1: NAPHTHA STABILIZER</b>					S13.2, S15.2
COLUMN, STABILIZER, T-151/T-152, HEIGHT: 72 FT ; DIAMETER: 3 FT 6 IN  A/N: 471237	D198				
SCRUBBER, D-451, STABILIZER GAS SCRUBBER, HEIGHT: 14 FT ; DIAMETER: 3 FT  A/N: 471237	D199				
TANK, WASH, CW-1, CAUSTIC, (LIGHT NAPHTHA), HEIGHT: 20 FT ; DIAMETER: 8 FT  A/N: 471237	D14				

\* (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

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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
<b>Process 8: MISCELLANEOUS</b>					
TANK, WASH, CW-2, CAUSTIC, (HEAVY NAPHTHA), HEIGHT: 20 FT ; DIAMETER: 8 FT A/N: 471237	D15				
VESSEL, D-452, FUEL GAS DRY, HEIGHT: 8 FT ; DIAMETER: 4 FT A/N: 471237	D200				
COMPRESSOR, C-451 A/B, VENT GAS, CENTRIFUGAL TYPE, 20 H.P. A/N: 471237	D202				H23.13
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 471237	D330				H23.13
<b>System 3: INTERNAL COMBUSTION ENGINE</b>					
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, DIESEL FUEL, CUMMINS, MODEL M-855-F, SIX CYLINDERS, 240 HP A/N: 283944	D204		NOX: PROCESS UNIT** ; SOX: PROCESS UNIT**	NOX: 469 LBS/1000 GAL DIESEL (1) [RULE 2012, 5-6-2005]; SOX: 6.24 LBS/1000 GAL DIESEL (1) [RULE 2011, 5-6-2005]	C1.8, D12.1, D135.1, K67.3
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, DETROIT, MODEL R163-7K35 (16V-2000), 16 CYLINDERS, 1200 BHP A/N: 386291	D361		NOX: PROCESS UNIT** ; SOX: PROCESS UNIT**	CO: 8.5 GRAM/BHP-HR (4) ; NOX: 6.9 GRAM/BHP-HR (4) ; NOX: 469 LBS/1000 GAL DIESEL (1) ; PM10: 0.38 GRAM/BHP-HR (4) ; ROG: 1 GRAM/BHP-HR (4) ; SOX: 6.24 LBS/1000 GAL DIESEL (1)	B61.1, D12.1, D135.1, K67.3
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, DETROIT, MODEL R163-7K35 (16V-2000), 16 CYLINDERS, 1200 BHP A/N: 386292	D362		NOX: PROCESS UNIT** ; SOX: PROCESS UNIT**	CO: 8.5 GRAM/BHP-HR (4) ; NOX: 6.9 GRAM/BHP-HR (4) ; NOX: 469 LBS/1000 GAL DIESEL (1) ; PM10: 0.38 GRAM/BHP-HR (4) ; ROG: 1 GRAM/BHP-HR (4) ; SOX: 6.24 LBS/1000 GAL DIESEL (1)	B61.1, D12.1, D135.1, K67.3

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

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

## FACILITY PERMIT TO OPERATE EDGINGTON OIL COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 8: MISCELLANEOUS</b>					
<b>System 4: ASPHALT STORAGE TANKS HEATING SYSTEM (IDLED)</b>					
HEATER, SOUTHEAST ASPHALT, NATURAL GAS, IDLE, 16 MMBTU/HR A/N: 387880	D191		NOX: LARGE SOURCE**	CO: 400 PPMV (5) [RULE 1146, 11-17-2000]; CO: 2000 PPMV (5A) [RULE 407, 4-2-1982]; NOX: 37 PPMV (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	D328.3
<b>System 5: HOT OIL HEATING &amp; CIRCULATION SYSTEM</b>					
HEATER, HOT OIL HEATING, NATURAL GAS, WITH LOW NOX BURNER, 13 MMBTU/HR WITH A/N: 301528  BURNER, NATURAL GAS, COEN, MODEL CLN-18, WITH LOW NOX BURNER, 13 MMBTU/HR	D193		NOX: LARGE SOURCE**	CO: 400 PPMV (5) [RULE 1146, 11-17-2000]; CO: 2000 PPMV (5A) [RULE 407, 4-2-1982]; NOX: 37 PPMV (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	D328.1
TANK, SURGE, HOT OIL, 6000 GALS A/N: 471224	D275				
PUMP, CIRCULATION, HOT OIL, CENTRIFUGAL, W/ MECHANICAL SEAL, 75 H.P. A/N: 301528	D278				
PUMP, CIRCULATION, HOT OIL, CENTRIFUGAL, W/ MECHANICAL SEAL, 75 H.P. A/N: 301528	D279				
FUGITIVE EMISSIONS, MISCELLANEOUS A/N: 301528	D331				H23.13

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

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

## FACILITY PERMIT TO OPERATE EDGINGTON OIL COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 8: MISCELLANEOUS</b>					
<b>System 7: CRANKCASE OIL DISTILLATION HEATING SYSTEM (IDLED)</b>					
HEATER, CRANKCASE OIL FEED, H-701, NATURAL GAS, IDLE, 4.9 MMBTU/HR A/N: 387885	D189		NOX: PROCESS UNIT**	CO: 400 PPMV (5) [RULE 1146.1, 5-13-1994]; CO: 2000 PPMV (5A) [RULE 407, 4-2-1982]; NOX: 0.045 LBS/MMBTU (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	C1.1, D332.2
HEATER, CRANKCASE OIL FEED, H-702, NATURAL GAS, IDLE, 4.9 MMBTU/HR A/N: 387887	D190		NOX: PROCESS UNIT**	CO: 400 PPMV (5) [RULE 1146.1, 5-13-1994]; CO: 2000 PPMV (5A) [RULE 407, 4-2-1982]; NOX: 0.045 LBS/MMBTU (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	C1.1, D332.2
<b>Process 9: R-219 EXEMPT EQUIPMENT SUBJECT TO SOURCE-SPECIFIC RULES</b>					
RULE 219 EXEMPT EQUIPMENT, AIR CONDITIONING UNITS	E333				H23.5
RULE 219 EXEMPT EQUIPMENT, REFRIGERATION UNITS	E334				H23.5
RULE 219 EXEMPT EQUIPMENT, COOLING TOWERS	E335				H23.6
RULE 219 EXEMPT EQUIPMENT, REFRIGERANT RECOVERY AND/OR RECYCLING UNITS	E336				H23.5
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS	E339			VOC: (9) [RULE 1113, 11-8-1996; RULE 1113, 7-13-2007; RULE 1171, 11-7-2003; RULE 1171, 2-1-2008]	K67.2

\* (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 EDGINGTON OIL COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 9: R-219 EXEMPT EQUIPMENT SUBJECT TO SOURCE-SPECIFIC RULES</b>					
RULE 219 EXEMPT EQUIPMENT, FIRE EXTINGUISHING EQUIPMENT USING HALONS	E340				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.

**FACILITY PERMIT TO OPERATE  
EDGINGTON OIL COMPANY**

**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  
 EDGINGTON OIL COMPANY  
 SECTION D: DEVICE ID INDEX**

<b>Device Index For Section D</b>			
<b>Device ID</b>	<b>Section D Page No.</b>	<b>Process</b>	<b>System</b>
D2	1	1	1
D3	1	1	2
D4	1	1	1
D5	1	1	1
D6	1	1	1
D7	1	1	2
D8	2	1	3
D9	2	1	3
D10	3	1	4
D11	2	1	3
D12	2	1	3
D13	3	1	4
D14	34	8	1
D15	35	8	1
D21	5	2	1
D22	5	2	1
D23	5	2	1
D23	6	2	2
D23	7	2	3
D23	8	2	4
D24	6	2	1
D24	7	2	2
D24	8	2	3
D24	9	2	4
D24	10	2	5
D24	11	2	6
D25	6	2	1
D25	7	2	2
D25	8	2	3
D25	9	2	4
D25	10	2	5
D25	11	2	6
D26	6	2	2
D27	6	2	2
D28	7	2	3

**FACILITY PERMIT TO OPERATE  
 EDGINGTON OIL COMPANY  
 SECTION D: DEVICE ID INDEX**

<b>Device Index For Section D</b>			
<b>Device ID</b>	<b>Section D Page No.</b>	<b>Process</b>	<b>System</b>
D29	7	2	3
D30	8	2	4
D31	8	2	4
D32	9	2	5
D33	9	2	5
D34	9	2	5
D34	10	2	6
D35	10	2	6
D36	10	2	6
D37	11	2	7
D39	21	5	1
D51	13	3	2
D52	13	3	2
D53	13	3	2
D54	14	3	3
D55	14	3	3
D56	14	3	3
D57	14	3	3
D58	14	3	3
D59	14	3	3
D60	15	3	3
D61	15	3	3
D62	15	3	3
D63	15	3	3
D64	15	3	3
D67	16	3	3
D68	16	3	3
D69	16	3	3
D70	17	4	1
D79	17	4	1
C88	17	4	2
D89	17	4	3
D93	18	4	4
D95	18	4	5
D99	18	4	5

**FACILITY PERMIT TO OPERATE  
 EDGINGTON OIL COMPANY  
 SECTION D: DEVICE ID INDEX**

<b>Device Index For Section D</b>			
<b>Device ID</b>	<b>Section D Page No.</b>	<b>Process</b>	<b>System</b>
C101	18	4	6
C102	19	4	6
D103	19	4	7
D110	19	4	8
C112	19	4	9
D113	20	4	10
D115	20	4	11
D118	20	5	1
D128	21	5	2
D129	21	5	2
D130	21	5	2
D131	21	5	2
D132	22	5	2
D133	22	5	2
D137	22	5	2
D139	22	5	2
D140	22	5	2
D141	23	5	2
D142	23	5	2
D143	23	5	2
D144	23	5	2
D145	23	5	2
D146	25	5	2
D147	25	5	2
D148	25	5	2
D149	25	5	2
D150	25	5	2
D151	26	5	2
D152	26	5	2
D153	26	5	2
D154	26	5	2
D155	26	5	2
D156	28	5	3
D157	28	5	3
D158	29	5	3

**FACILITY PERMIT TO OPERATE  
 EDGINGTON OIL COMPANY  
 SECTION D: DEVICE ID INDEX**

<b>Device Index For Section D</b>			
<b>Device ID</b>	<b>Section D Page No.</b>	<b>Process</b>	<b>System</b>
D159	29	5	3
D160	30	5	3
D161	30	5	3
D162	26	5	2
D163	27	5	2
D164	31	5	3
D165	31	5	3
D166	32	5	3
D167	32	5	3
D168	33	5	3
D169	27	5	2
D170	27	5	2
D171	27	5	2
D172	27	5	2
D173	28	5	2
D174	33	5	4
C175	33	5	4
D176	3	1	5
D177	4	1	5
D179	4	1	5
D180	12	2	8
D183	4	1	5
D185	5	1	5
D189	37	8	7
D190	37	8	7
D191	36	8	4
D193	36	8	5
D194	34	7	0
D196	34	7	0
D198	34	8	1
D199	34	8	1
D200	35	8	1
D202	35	8	1
D204	35	8	3
D272	15	3	3

**FACILITY PERMIT TO OPERATE  
 EDGINGTON OIL COMPANY  
 SECTION D: DEVICE ID INDEX**

<b>Device Index For Section D</b>			
<b>Device ID</b>	<b>Section D Page No.</b>	<b>Process</b>	<b>System</b>
D275	36	8	5
D278	36	8	5
D279	36	8	5
D283	12	3	1
D284	13	3	1
D296	24	5	2
D297	24	5	2
D298	24	5	2
D299	24	5	2
D301	3	1	4
D302	1	1	1
D303	2	1	3
D304	6	2	1
D305	7	2	2
D306	8	2	3
D307	9	2	4
D308	10	2	5
D309	11	2	6
D310	11	2	7
D312	14	3	2
D313	16	3	3
D314	17	4	1
D315	17	4	2
D316	18	4	3
D317	18	4	4
D318	18	4	5
D319	19	4	6
D320	19	4	7
D321	19	4	8
D322	20	4	9
D323	1	1	2
D326	20	4	10
D327	20	4	11
D329	33	5	3
D330	35	8	1

**FACILITY PERMIT TO OPERATE  
 EDGINGTON OIL COMPANY  
 SECTION D: DEVICE ID INDEX**

<b>Device Index For Section D</b>			
<b>Device ID</b>	<b>Section D Page No.</b>	<b>Process</b>	<b>System</b>
D331	36	8	5
D332	13	3	1
E333	37	9	0
E334	37	9	0
E335	37	9	0
E336	37	9	0
E339	37	9	0
E340	38	9	0
D350	16	3	3
D357	12	2	9
D358	12	2	9
D359	12	2	9
D360	25	5	2
D361	35	8	3
D362	35	8	3
D364	2	1	2
D365	3	1	4
D367	12	3	1
D368	13	3	1
D369	13	3	1
D370	13	3	1
D371	13	3	1
D372	13	3	1
D373	5	2	1
D373	6	2	2
D373	7	2	3
D373	8	2	4
D373	9	2	5
D373	10	2	6
D378	2	1	3
D379	2	1	3
D380	2	1	3
D381	3	1	4
D382	3	1	4

## FACILITY PERMIT TO OPERATE EDGINGTON OIL COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

#### FACILITY CONDITIONS

F2.1 The operator shall limit emissions from this facility as follows:

CONTAMINANT	EMISSIONS LIMIT
Single Volatile Hazardous Air Pollutant (VHAP)	Less than 10 TONS IN ANY ONE YEAR
Combination of Volatile Hazardous Air Pollutants (VHAPs)	Less than 25 TONS IN ANY ONE YEAR

**[40CFR 63 Subpart A, 5-16-2007; 40CFR 63 Subpart CC, 6-23-2003]**

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]**

F14.1 The operator shall not use diesel fuel containing sulfur compounds in excess of 0.05 percent by weight.

**[RULE 431.2, 5-4-1990; RULE 431.2, 9-15-2000]**

## **FACILITY PERMIT TO OPERATE EDGINGTON OIL COMPANY**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

F14.2 The operator shall not purchase diesel fuel containing sulfur compounds in excess of 15 ppm by weight as supplied by the supplier.

[RULE 431.2, 9-15-2000]

F16.1 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

\_1. The operator shall comply with all applicable recordkeeping, reporting, and other requirements of 40CFR63 Subpart A and Section 63.640(k) of Subpart CC\_

\_2. The operator shall submit all requests, reports, notifications, submittals, and other communications required by 40CFR63 Subpart A or Subpart CC to the AQMD or/and US EPA Region IX, where applicable (see addresses in Sections E and K of this permit)\_

\_3. The operator shall submit to AQMD applications for plan (alternative plans, compliance plans, etc.) and permits to construct and operate new equipment or equipment modifications, which are required by 40CFR63 Subpart A or Subpart CC, as a Title V permit revision for the approval by the Executive Officer

[40CFR 63 Subpart A, 5-16-2007; 40CFR 63 Subpart CC, 6-23-2003]

## FACILITY PERMIT TO OPERATE EDGINGTON OIL COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

F25.1 The permit holder of this facility shall not install, alter, or operate a refinery process unit or other non-Rule 219 exempt equipment without a valid RECLAIM/Title V permit issued by the AQMD pursuant to Rule 201 - Permit to Construct, Rule 203 - Permit to Operate, Rule 2004 - Requirements, and Rule 3002 - Requirements, as applicable.

Notwithstanding the above, the provisions of Rules 201, 203, 2004, and 3002 shall not apply to installations or alterations that involve only the equipment listed in Table 1 below, nor shall they apply to the operation of equipment listed in Table 1, when directly associated with permitted process units or other permitted equipment.

Notwithstanding the above, all new equipment listed in Table 1, including associated fugitive components installed with such equipment, shall have Best Available Control Technology installed in conformance with the Best Available Control Technology Guidelines in effect at the time of the installation.

TABLE 1

- (a) Heat Exchanger (including air-cooler, reboiler, cooler, condenser, and shell and tube exchanger)
- (b) In-line Mixer
- (c) Pump
- (d) Knockout Pot - Compressor inlet (immediate inlet) and interstage
- (e) Knockout Pot - Fuel Gas System (downstream of fuel gas mix drums)

This condition applies only to the facility that processes petroleum as defined in the Standard Industrial Classification Manual as Industry No. 2911 - Petroleum Refining, as well as its directly associated sulfur recovery plant which may be located outside of the facility.

## FACILITY PERMIT TO OPERATE EDGINGTON OIL COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[**RULE 2004, 5-11-2001**; **RULE 2004, 4-6-2007**]

F34.1 The operator shall not sell natural gas containing sulfur compounds in excess of 16 ppmv, calculated as hydrogen sulfide (H<sub>2</sub>S).

[**RULE 431.1, 6-12-1998**]

F34.2 The operator shall not sell refinery gas containing sulfur compounds in excess of 40 ppmv, calculated as hydrogen sulfide, averaged over 4-hour period.

[**RULE 431.1, 6-12-1998**]

F52.1 This facility is subject to the applicable requirements of the following rules or regulation(s):

40CFR61, Subpart FF

The operator shall keep records in accordance with 61.356-Recordkeeping requirements.

The operator shall comply with the applicable reporting requirements as specified in 61.357.

[**40CFR 61 Subpart FF, 12-4-2003**]

F60.1 The emission limits identified in Section D and H of the permit shall be defined as emissions discharged to the atmosphere from the originating equipment.

### SYSTEM CONDITIONS

S13.2 All devices under this system are subject to the applicable requirements of the following rules or regulations:

## FACILITY PERMIT TO OPERATE EDGINGTON OIL COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1123

**[RULE 1123, 12-7-1990]**

[Systems subject to this condition : Process 1, System 1, 2, 3, 4; Process 8, System 1, 6]

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

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1176

**[RULE 1176, 9-13-1996]**

[Systems subject to this condition : Process 3, System 3]

S13.4 All devices under this system are subject to the applicable requirements of the following rules or regulations:

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

**[RULE 1149, 7-14-1995; RULE 1149, 5-2-2008; RULE 1178, 4-7-2006; RULE 463, 5-6-2005]**

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

## **FACILITY PERMIT TO OPERATE EDGINGTON OIL COMPANY**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

S15.1 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 boiler B-501 (Device 38).

This process/system shall not be operated unless the boiler 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(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Systems subject to this condition : Process 2, System 7]

S15.2 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 fuel gas treating system.

This process/system shall not be operated unless the fuel gas treating system 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(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Systems subject to this condition : Process 1, System 1 , 2 , 3 , 4; Process 3, System 2; Process 8, System 1 , 6]

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:

## **FACILITY PERMIT TO OPERATE EDGINGTON OIL COMPANY**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Crude Units 1 & 2 (Process: 1, System: 1, 2, 3 & 4)

Sour water stripping (Process: 3, System: 2)

Crankcase oil distillation (Process: 8, System: 6)

Naphtha stabilizer (Process: 8, System: 1)

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

[Systems subject to this condition : Process 3, System 4]

S31.1 The following BACT requirements shall apply to VOC service fugitive components associated with the devices that are covered by application number(s) 408951 and 367625:

## FACILITY PERMIT TO OPERATE EDGINGTON OIL COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

All valves shall be bellows sealed valves except in the following applications: valves in heavy liquid service, control valves, instrument piping/tubing valves, valves requiring torsional stem motion, situations where valve failure could pose safety hazard (e.g., drain valves with stems in horizontal position), retrofit/special and valves not commercially available (e.g., valves larger than 8", valves larger than 2" that require special alloys or connectors, etc.)

The District shall approve all exceptions to this requirement

The operator shall provide the following information to the District no later than 60 days after initial startup:

(a) Process and instrumentation diagrams (or some other equivalent District-approved diagrams) that identify all valves. Along with the diagrams, the operator shall provide a listing of all valves categorized by location, type, size, accessibility and service; and,

(b) A recalculation of fugitive emissions based on actual fugitive components installed and removed from service. All valves shall be categorized by size and service. The operator shall submit a listing of all non-bellows seal valves categorized by tag number, type, size, body material, service, operating temperature, operating pressure and reason(s) why bellows seal valves were not used.

All non-bellows seal valves shall be inspected monthly using EPA Method 21. The operator may begin quarterly inspections, upon District approval, after two consecutive monthly inspections in which only two percent or less of non-bellows seal valves are found to be leaking above 500 ppmv.

All valves and new major components shall be physically identified in the field with special marking that distinguish the components from non-BACT components. Additionally, all new components shall be identified as BACT components in the records.

The leak rate from non-bellows seal valves and other non-valve fugitive components shall not exceed 500 ppmv. A leak rate greater than 500 ppmv, but less than or equal

## FACILITY PERMIT TO OPERATE EDGINGTON OIL COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

to 1,000 ppmv, shall be repaired within 14 calendar days after detection of the leak.

[**RULE 1173, 5-13-1994**; RULE 1173, 2-6-2009; **RULE 1303(a)(1)-BACT, 5-10-1996**;  
 RULE 1303(a)(1)-BACT, 12-6-2002]

[Systems subject to this condition : Process 2, System 7; Process 3, System 4]

#### DEVICE CONDITIONS

##### A. Emission Limits

A63.2 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
Visible emissions	Less than or equal to 0 Percent opacity

[**40CFR 60 Subpart UU, 8-5-1983**]

[Devices subject to this condition : D296, D297, D298, D299]

##### B. Material/Fuel Type Limits

B22.1 The operator shall not use this equipment with materials having a(n) true vapor pressure of 0.5 psia or greater under actual operating conditions.

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

[Devices subject to this condition : D152, D153]

## FACILITY PERMIT TO OPERATE EDGINGTON OIL COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

B61.1 The operator shall only use fuel oil containing the following specified compounds:

Compound	weight percent
Sulfur less than	0.05

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

[Devices subject to this condition : D361, D362]

#### **C. Throughput or Operating Parameter Limits**

C1.1 The operator shall limit the heat input to no more than 4.9 MM Btu per hour.

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

[Devices subject to this condition : D189, D190]

C1.3 The operator shall limit the heat input to no more than 14 MM Btu per hour.

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

[Devices subject to this condition : D180]

C1.4 The operator shall limit the heat input to no more than 23000 MM Btu in any one year.

The purpose(s) of this condition is to ensure that this equipment qualifies as a process unit.

## **FACILITY PERMIT TO OPERATE EDGINGTON OIL COMPANY**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

**[RULE 2012, 5-6-2005]**

[Devices subject to this condition : D180]

- C1.6 The operator shall limit the throughput to no more than 10000 barrel(s) in any one calendar month.

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

[Devices subject to this condition : D296, D297, D298, D299]

- C1.8 The operator shall limit the operating time to no more than 200 hour(s) in any one year.

**[RULE 1304(c)-Offset Exemption, 6-14-1996; RULE 2012, 5-6-2005]**

[Devices subject to this condition : D204]

- C1.9 The operator shall limit the throughput to no more than 146000 barrel(s) in any one year.

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

[Devices subject to this condition : D360]

- C1.10 The operator shall limit the throughput to no more than 90000 barrel(s) in any one calendar month.

## FACILITY PERMIT TO OPERATE EDGINGTON OIL COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

The operator shall use an automatic liquid level measuring device to determine the throughput to this tank. The operator shall manually record the liquid level movement in feet at the beginning and at the end of each tank filling or withdraw operation. The operator shall use the following equation to calculate the throughput per filling or withdraw operation in barrel (s):  $.14 \times D \times D \times L$ , where D is the diameter of the tank in feet, and L is the liquid movement in feet..

To comply with this condition, the operator shall keep records of the throughput to this device for a period of at least five years, and such records shall be made available to District personnel upon request..

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

[Devices subject to this condition : D168]

- C1.11 The operator shall limit the throughput to no more than 189000 barrel(s) in any one calendar month.

## FACILITY PERMIT TO OPERATE EDGINGTON OIL COMPANY

### 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, throughput shall be defined as the total combined throughput of slop oil.

The operator shall maintain daily and calendar monthly throughput records.

The operator shall comply with the following throughput measurement practices.

The operator shall calculate the throughput, in barrels, by the following equation:  $V/H$  (subscript: a), where  $V$  is the volume of the tank in barrels based on the most recent version of the API Standard 2550,  $H$  (subscript: t) is the height of the tank based on the tank strapping chart and  $H$  (subscript: a) is the total vertical one-way liquid surface level travel in feet month.

The operator shall calculate the total one-way liquid surface level movement, in feet, on daily basis.

The operator shall record the liquid level (in feet) every 24 hours and prior to and after any tank movement. The throughput shall be calculated by reading the strapping table volumes for the respective liquid levels, and then calculating the difference.

or.

Alternatively, automatic tank level gauge (ATLG) may be used to measure the liquid surface level movement for either each filling or withdraw operation. The ATLG shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLG differs from the manual tank level measurement by more than .8 percent, the ATLG shall be repaired.

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

[Devices subject to this condition : D68, D69]

C1.12 The operator shall limit the throughput to no more than 132000 barrel(s) in any one calendar month.

## FACILITY PERMIT TO OPERATE EDGINGTON OIL COMPANY

### 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, throughput shall be defined as total combined throughput of naphtha, kerosene, diesel, and gasoil..

The operator shall shall comply with the following throughput measurement practices.

The operator shall calculate the throughput, in barrels, by the following equation:  $V/H$  (subscript: a), where  $V$  is the volume of the tank in barrels based on the most recent version of the API Standard 2550,  $H$  (subscript: t) is the height of the tank based on the tank strapping chart and  $H$  (subscript: a) is the total vertical one-way liquid surface level travel in feet month.

The operator shall calculate the total one-way liquid surface level movement, in feet, on daily basis.

The operator shall record the liquid level (in feet) every 24 hours and prior to and after any tank movement. The throughput shall be calculated by reading the strapping table volumes for the respective liquid levels, and then calculating the difference.

or.

Automatic tank level gauge (ATLG) shall be used to measure the liquid surface level movement for either each filling or withdraw operation. The ATLG shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLG differs from the manual tank level measurement by more than .8 percent, the ATLG shall be repaired.

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

[Devices subject to this condition : D158, D161]

C1.13 The operator shall limit the throughput to no more than 330000 in any one calendar month.

## FACILITY PERMIT TO OPERATE EDGINGTON OIL COMPANY

### 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, throughput shall be defined as the total combined throughput of crude oil.

The operator shall maintain daily and calendar monthly throughput records.

The operator shall comply with the following throughput measurement practices.

The operator shall calculate the throughput, in barrels, by the following equation:  $V/H$  (subscript: a), where  $V$  is the volume of the tank in barrels based on the most recent version of the API Standard 2550,  $H$  (subscript: t) is the height of the tank based on the tank strapping chart and  $H$  (subscript: a) is the total vertical one-way liquid surface level travel in feet month.

The operator shall calculate the total one-way liquid surface level movement, in feet, on a daily basis.

The operator shall record the liquid level (in feet) every 24 hours and prior to and after any tank movement. The throughput shall be calculated by reading the strapping table volumes for the respective liquid levels, and then calculating the difference.

or.

Automatic tank level gauge (ATLG) shall be used to measure the liquid surface level movement for either each filling or withdraw operation. The ATLG shall be verified once per quarter by comparing against a manual tank level measurement. If the ATLG differs from the manual tank level measurement by more than .8 percent, the ATLG shall be repaired..

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

[Devices subject to this condition : D164, D165, D166]

## FACILITY PERMIT TO OPERATE EDGINGTON OIL COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

C1.14 The operator shall limit the throughput to no more than 58400 barrel(s) in any one year.

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

[Devices subject to this condition : D357]

C6.1 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 400 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature in the asphalt tank.

**[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 : D170, D296, D297, D298, D299]

C6.2 The operator shall use this equipment in such a manner that the hydrocarbon concentration being monitored, as indicated below, does not exceed 30 percent of the Lower Explosive Limit.

The operator shall use a lower explosive meter to monitor the hydrocarbon concentration.

**[RULE 463, 5-6-2005]**

[Devices subject to this condition : D68, D69, D156, D160, D168, D272]

C6.3 The operator shall use this equipment in such a manner that the hydrocarbon concentration being monitored, as indicated below, does not exceed 50 percent of the Lower Explosive Limit.

## FACILITY PERMIT TO OPERATE EDGINGTON OIL COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

The operator shall use a lower explosive meter to monitor the hydrocarbon concentration.

**[RULE 463, 5-6-2005]**

[Devices subject to this condition : D157, D158, D159, D161, D164, D165, D166, D167]

- C6.4 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 350 Deg F.

The operator shall install and maintain a temperature gauge to periodically monitor the asphalt temperature in the tank.

**[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 : D154]

- C6.5 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 350 Deg F.

The operator shall install and maintain a temperature gauge to periodically monitor the asphalt temperature in the tank.

This condition shall not apply if the asphalt is handled in a manner approved by the Executive Officer that does not violate Rule 401.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 401, 3-2-1984; RULE 401, 11-9-2001]**

[Devices subject to this condition : D128, D129, D130, D131, D132, D133, D139, D140, D141, D144, D145, D147]

## FACILITY PERMIT TO OPERATE EDGINGTON OIL COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

C6.6 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 400 Deg F.

The operator shall install and maintain a(n) temperature gauge to periodically monitor the asphalt temperature in the tank.

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

[Devices subject to this condition : D146]

#### D. Monitoring/Testing Requirements

D12.1 The operator shall install and maintain a(n) non-resettable elapsed time meter to accurately indicate the elapsed operating time of the engine.

**[RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996; RULE 2012, 5-6-2005]**

[Devices subject to this condition : D204, D361, D362]

D12.2 The operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the filter.

The operator shall record the parameter being monitored once every 7 days.

The monitoring and recording frequency shall increase to at least once every 8 hours whenever the static differential pressure reaches 20 inches water column or greater. The operator shall clean or replace the filter when 3 consecutive readings of 20 inches water column or greater are recorded

The operator shall maintain the differential pressure gauges in good working condition.

## **FACILITY PERMIT TO OPERATE EDGINGTON OIL COMPANY**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984]**

[Devices subject to this condition : C88, C101, C102, C112, C175]

D12.3 The operator shall install and maintain a(n) thermocouple or any other equivalent device to accurately indicate the temperature of the the asphalt stored in or pumped into this tank.

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

or

The operator shall record the parameter being monitored once every 8 hours.

**[RULE 1301, 12-7-1995; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984]**

[Devices subject to this condition : D128, D129, D130, D131, D132, D133, D139, D140, D141, D144, D145, D147, D154, D170]

D135.1 The operator shall inspect, adjust, and certify the ignition or fuel injection timing of this engine a minimum of once every 3 years of operation. Inspections, adjustments, and certifications shall be performed by a qualified mechanic and performed in accordance with the engine manufacturer's specifications and procedures.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : D204, D361, D362]

## FACILITY PERMIT TO OPERATE EDGINGTON OIL COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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.

## **FACILITY PERMIT TO OPERATE EDGINGTON OIL COMPANY**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

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

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984]**

[Devices subject to this condition : D21, D26, D28, D30, D32, D35, D70, D89, D93, D95, D103, D110, D128, D129, D130, D131, D132, D133, D144, D145, D146, D147, D154, D170, D296, D297, D298, D299, D360]

## FACILITY PERMIT TO OPERATE EDGINGTON OIL COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

D323.3 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 monthly basis, at least, unless the equipment did not operate during the entire monthly period. The routine monthly 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.

## **FACILITY PERMIT TO OPERATE EDGINGTON OIL COMPANY**

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984]**

[Devices subject to this condition : D137, D139, D140, D141, D142, D143, D148, D149, D150, D155, D171, D172, D173]

D328.1 The operator shall determine compliance with the CO emission limit(s) either: (a) conducting a source test at least once every five years using AQMD Method 100.1 or 10.1; or (b) conducting a test at least annually using a portable analyzer and AQMD-approved test method. The test shall be conducted when the equipment is operating under normal conditions to demonstrate compliance with Rule 407 and Rule 1146. The operator shall comply with all general testing, reporting, and recordkeeping requirements in Sections E and K of this permit.

**[RULE 1146, 11-17-2000; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 407, 4-2-1982]**

[Devices subject to this condition : D176, D177, D179, D180, D183, D185, D193, D194, D196]

D328.3 The operator shall determine compliance with the CO emission limit(s) either: (a) conducting a source test at least once every five years using AQMD Method 100.1 or 10.1; or (b) conducting a test at least annually using a portable analyzer and AQMD-approved test method. The test shall be conducted when the equipment is operating under normal conditions to demonstrate compliance with Rule 407 and Rule 1146 once this equipment is in service that it is no longer be determined as in idle status. The operator shall comply with all general testing, reporting, and recordkeeping requirements in Sections E and K of this permit.

**[RULE 1146, 11-17-2000; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 407, 4-2-1982]**

[Devices subject to this condition : D191]

## FACILITY PERMIT TO OPERATE EDGINGTON OIL COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

D332.2 The operator shall determine compliance with the CO emission limit(s) by conducting a test at least once every five years using a portable analyzer and AQMD-approved test method or, if not available, a non-AQMD approved test method. The test shall be conducted when the equipment is operating under normal conditions to demonstrate compliance with CO concentration limits once this equipment is operated that it is no longer be determined as in idle status. The operator shall comply with all general testing, reporting, and recordkeeping requirements in Sections E and K of this permit.

**[RULE 1146, 11-17-2000; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 407, 4-2-1982]**

[Devices subject to this condition : D189, D190]

#### **H. Applicable Rules**

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

Contaminant	Rule	Rule/Subpart
PM	40CFR60, SUBPART	UU

**[40CFR 60 Subpart UU, 8-5-1983]**

[Devices subject to this condition : D296, D297, D298, D299, D360]

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

Contaminant	Rule	Rule/Subpart
Refrigerants	District Rule	1415

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

[RULE 1415, 10-14-1994]

[Devices subject to this condition : E333, E334, E336]

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

Contaminant	Rule	Rule/Subpart
Chromium, Hexavalent	District Rule	1404

[RULE 1404, 4-6-1990]

[Devices subject to this condition : E335]

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

Contaminant	Rule	Rule/Subpart
Halon	District Rule	1418

[RULE 1418, 9-10-1999]

[Devices subject to this condition : E340]

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

Contaminant	Rule	Rule/Subpart
Total hydrocarbon	District Rule	470

## FACILITY PERMIT TO OPERATE EDGINGTON OIL COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

**[RULE 470, 5-7-1976]**

[Devices subject to this condition : D21, D26, D28, D30, D32, D35]

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

Contaminant	Rule	Rule/Subpart
VOC	District Rule	465
Sulfur compounds	District Rule	465

**[RULE 465, 8-13-1999]**

[Devices subject to this condition : D7, D13, D301, D323]

H23.11 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	40CFR60, SUBPART	Ka

**[40CFR 60 Subpart Ka, 5-5-1989]**

[Devices subject to this condition : D168]

H23.13 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
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## FACILITY PERMIT TO OPERATE EDGINGTON OIL COMPANY

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

VOC	40CFR60, SUBPART	GGG
VOC	District Rule	1173

**[RULE 1173, 5-13-1994; RULE 1173, 2-6-2009; 40CFR 63 Subpart GGG, 4-20-2006]**

[Devices subject to this condition : D202, D302, D303, D304, D305, D306, D307, D308, D309, D310, D312, D313, D314, D315, D316, D317, D318, D319, D320, D321, D322, D326, D327, D329, D330, D331, D332, D364, D365]

H23.16 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
ROG	District Rule	463

**[RULE 463, 5-6-2005]**

[Devices subject to this condition : D137, D139, D142, D143, D148, D149, D150, D151, D162, D163, D169]

#### **K. Record Keeping/Reporting**

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

## **FACILITY PERMIT TO OPERATE EDGINGTON OIL COMPANY**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

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

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 1113, 11-8-1996; RULE 1113, 7-13-2007; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : E339]

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

The date of operation, the elapsed time in hours and the reasons for operation

**[RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996]**

[Devices subject to this condition : D204, D361, D362]

K67.4 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Throughput and vapor pressure of stored liquid

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 463, 5-6-2005]**

## **FACILITY PERMIT TO OPERATE EDGINGTON OIL COMPANY**

### **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 : D68, D69, D128, D129, D130, D131, D132, D133, D137, D139, D140, D141, D142, D143, D144, D145, D146, D147, D148, D149, D150, D151, D152, D153, D154, D155, D156, D157, D158, D159, D160, D161, D162, D163, D164, D165, D166, D167, D169, D170, D171, D172, D173, D272]

## FACILITY PERMIT TO OPERATE EDGINGTON OIL 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/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 1: DISTILLATION PROCESS</b>					
<b>System 5: CRUDE UNIT HEATING SYSTEM</b>					
HEATER, VACUUM, H-201, NATURAL GAS, 18 MMBTU/HR WITH A/N: 336128 Permit to Construct Issued: 02/13/98  BURNER, THREE (3), NATURAL GAS, JOHN ZINK, MODEL PSMR-16SP WITH VENT INSERTS AND PILOTS, WITH LOW NOX BURNER, 18 MMBTU/HR	D187		NOX: LARGE SOURCE**	CO: 400 PPMV (5) [RULE 1146, 11-17-2000]; CO: 2000 PPMV (5A) [RULE 407, 4-2-1982]; NOX: 37 PPMV (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	D328.1
<b>Process 2: ASPHALT OXIDIZING</b>					
<b>System 7: ASPHALT OXIDIZING STILL VAPOR COLLECTION</b>					S15.1, S31.1
SCRUBBER, CAUSTIC SCRUBBER, PACKED BED, D-522, HEIGHT: 6 FT, 2 IN, RASHIG RINGS, 25% CAUSTIC SOLUTION, 125 GPM RECIRCULATION, DIAMETER: 7 FT; HEIGHT: 25 FT A/N: 408951	C376				C8.2, C8.5
<b>System 8: ASPHALT PROCESS HEATING SYSTEM</b>					

\* (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 EDGINGTON OIL 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/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 2: ASPHALT OXIDIZING</b>					
HEATER, SOUTH ASPHALT, NATURAL GAS, 5 MMBTU/HR WITH A/N: 357907 Permit to Construct Issued: 08/19/99  BURNER, NATURAL GAS, GORDON-PIATT, WITH LOW NOX BURNER, STEAM OR WATER INJECTION, 5 MMBTU/HR	D280		NOX: LARGE SOURCE**	CO: 400 PPMV (5) [RULE 1146, 11-17-2000]; CO: 2000 PPMV (5A) [RULE 407, 4-2-1982]; NOX: 37 PPMV (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	D332.1
<b>Process 3: TREATING/STRIPPING</b>					
<b>System 4: REFINERY FUEL GAS TREATING SYSTEM</b>					S18.1, S31.1
KNOCK OUT POT, D453, VENT GAS, HEIGHT: 6 FT ; DIAMETER: 5 FT A/N: 367625 Permit to Construct Issued: 10/04/00	D19				C8.2, C8.3
SCRUBBER, PACKED BED, D455, CAUSTIC, PACKED BED, VENT GAS, HEIGHT: 20 FT ; DIAMETER: 6 FT A/N: 367625 Permit to Construct Issued: 10/04/00	D20				C8.2, C8.3
KNOCK OUT POT, D404, HEIGHT: 6 FT ; DIAMETER: 3 FT A/N: 367625 Permit to Construct Issued: 10/04/00	D201				

\* (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 EDGINGTON OIL 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/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 3: TREATING/STRIPPING</b>					
SCRUBBER, PACKED BED, D402, CAUSTIC, PACKED BED, HEIGHT: 20 FT ; DIAMETER: 6 FT A/N: 367625 Permit to Construct Issued: 10/04/00	D300				
COMPRESSOR, C-202 A/B, OFF GAS, CENTRIFUGAL TYPE, 7.5 H.P. A/N: 471236 Permit to Construct Issued: 11/15/07	D295				H23.13
<b>Process 7: STEAM GENERATION</b>					
BOILER, B-301, NATURAL GAS, FOSTER WHEELER TYPE D, 35 MMBTU/HR WITH A/N: 339741 Permit to Construct Issued: 07/21/98  BURNER, NATURAL GAS, GORDON PIATT WIND BOX LOW NOX BURNER, MODEL WDV-G-25-1FG, 35 MMBTU/HR	D196		NOX: LARGE SOURCE**	CO: 400 PPMV NATURAL GAS (5) ; CO: 2000 PPMV (5A) [RULE 407, 4-2-1982]; NOX: 37 PPMV (3) [RULE 2012, 5-6-2005]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	D328.1

- \* (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 EDGINGTON OIL 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/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 7: STEAM GENERATION</b>					
BOILER, WASTE HEAT, B-501, NATURAL GAS, PROCESS GAS, REFINERY GAS, WITH LOW NOX BURNER, 26 MMBTU/HR WITH A/N: 368878 Permit to Construct Issued: 09/27/00  BURNER, NATURAL GAS, REFINERY GAS, WITH LOW NOX BURNER, 26 MMBTU/HR	D38		NOX: LARGE SOURCE**; SOX: MAJOR SOURCE - SUPER COMPLIANT **	CO: 400 PPMV (5A) [RULE 1146, 11-17-2000]; CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 37 PPMV (3) [RULE 2012, 5-6-2005]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 16.9 LBS/MMSCF (1) [RULE 2011, 5-6-2005]	A63.1, B61.2, C8.1, D28.1, D90.1, D297.1, D323.1, D328.1, H23.3, K40.1

\* (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 EDGINGTON OIL COMPANY**

## **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 EDGINGTON OIL COMPANY

## SECTION H: DEVICE ID INDEX

<b>Device Index For Section H</b>			
<b>Device ID</b>	<b>Section H Page No.</b>	<b>Process</b>	<b>System</b>
D19	2	3	4
D20	2	3	4
D38	4	7	0
D187	1	1	5
D196	3	7	0
D201	2	3	4
D280	2	2	8
D295	3	3	4
D300	3	3	4
C376	1	2	7

## FACILITY PERMIT TO OPERATE EDGINGTON OIL COMPANY

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

#### FACILITY CONDITIONS

F2.1 The operator shall limit emissions from this facility as follows:

CONTAMINANT	EMISSIONS LIMIT
Single Volatile Hazardous Air Pollutant (VHAP)	Less than 10 TONS IN ANY ONE YEAR
Combination of Volatile Hazardous Air Pollutants (VHAPs)	Less than 25 TONS IN ANY ONE YEAR

**[40CFR 63 Subpart A, 5-16-2007; 40CFR 63 Subpart CC, 6-23-2003]**

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]**

F14.1 The operator shall not use diesel fuel containing sulfur compounds in excess of 0.05 percent by weight.

**[RULE 431.2, 5-4-1990; RULE 431.2, 9-15-2000]**

F14.2 The operator shall not purchase diesel fuel containing sulfur compounds in excess of 15 ppm by weight as supplied by the supplier.

**[RULE 431.2, 9-15-2000]**

## **FACILITY PERMIT TO OPERATE EDGINGTON OIL COMPANY**

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

F16.1 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

\_1. The operator shall comply with all applicable recordkeeping, reporting, and other requirements of 40CFR63 Subpart A and Section 63.640(k) of Subpart CC\_

\_2. The operator shall submit all requests, reports, notifications, submittals, and other communications required by 40CFR63 Subpart A or Subpart CC to the AQMD or/and US EPA Region IX, where applicable (see addresses in Sections E and K of this permit)\_

\_3. The operator shall submit to AQMD applications for plan (alternative plans, compliance plans, etc.) and permits to construct and operate new equipment or equipment modifications, which are required by 40CFR63 Subpart A or Subpart CC, as a Title V permit revision for the approval by the Executive Officer

**[40CFR 63 Subpart A, 5-16-2007; 40CFR 63 Subpart CC, 6-23-2003]**

## FACILITY PERMIT TO OPERATE EDGINGTON OIL COMPANY

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

F25.1 The permit holder of this facility shall not install, alter, or operate a refinery process unit or other non-Rule 219 exempt equipment without a valid RECLAIM/Title V permit issued by the AQMD pursuant to Rule 201 - Permit to Construct, Rule 203 - Permit to Operate, Rule 2004 - Requirements, and Rule 3002 - Requirements, as applicable.

Notwithstanding the above, the provisions of Rules 201, 203, 2004, and 3002 shall not apply to installations or alterations that involve only the equipment listed in Table 1 below, nor shall they apply to the operation of equipment listed in Table 1, when directly associated with permitted process units or other permitted equipment.

Notwithstanding the above, all new equipment listed in Table 1, including associated fugitive components installed with such equipment, shall have Best Available Control Technology installed in conformance with the Best Available Control Technology Guidelines in effect at the time of the installation.

TABLE 1

- (a) Heat Exchanger (including air-cooler, reboiler, cooler, condenser, and shell and tube exchanger)
- (b) In-line Mixer
- (c) Pump
- (d) Knockout Pot - Compressor inlet (immediate inlet) and interstage
- (e) Knockout Pot - Fuel Gas System (downstream of fuel gas mix drums)

This condition applies only to the facility that processes petroleum as defined in the Standard Industrial Classification Manual as Industry No. 2911 - Petroleum Refining, as well as its directly associated sulfur recovery plant which may be located outside of the facility.

[**RULE 2004, 5-11-2001; RULE 2004, 4-6-2007**]

## FACILITY PERMIT TO OPERATE EDGINGTON OIL COMPANY

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

F34.1 The operator shall not sell natural gas containing sulfur compounds in excess of 16 ppmv, calculated as hydrogen sulfide (H<sub>2</sub>S).

**[RULE 431.1, 6-12-1998]**

F34.2 The operator shall not sell refinery gas containing sulfur compounds in excess of 40 ppmv, calculated as hydrogen sulfide, averaged over 4-hour period.

**[RULE 431.1, 6-12-1998]**

F52.1 This facility is subject to the applicable requirements of the following rules or regulation(s):

40CFR61, Subpart FF

The operator shall keep records in accordance with 61.356-Recordkeeping requirements.

The operator shall comply with the applicable reporting requirements as specified in 61.357.

**[40CFR 61 Subpart FF, 12-4-2003]**

F60.1 The emission limits identified in Section D and H of the permit shall be defined as emissions discharged to the atmosphere from the originating equipment.

### SYSTEM CONDITIONS

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 1, 2, 3, 4; Process 8, System 1, 6]

## FACILITY PERMIT TO OPERATE EDGINGTON OIL COMPANY

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1176

**[RULE 1176, 9-13-1996]**

[Systems subject to this condition : Process 3, System 3]

S13.4 All devices under this system are subject to the applicable requirements of the following rules or regulations:

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

**[RULE 1149, 7-14-1995; RULE 1149, 5-2-2008; RULE 1178, 4-7-2006; RULE 463, 5-6-2005]**

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

S15.1 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 boiler B-501 (Device 38).

This process/system shall not be operated unless the boiler 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(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

## FACILITY PERMIT TO OPERATE EDGINGTON OIL 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 7]

S15.2 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 fuel gas treating system.

This process/system shall not be operated unless the fuel gas treating system 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(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Systems subject to this condition : Process 1, System 1, 2, 3, 4; Process 3, System 2; Process 8, System 1, 6]

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:

Crude Units 1 & 2 (Process: 1, System: 1, 2, 3 & 4)

Sour water stripping (Process: 3, System: 2)

Crankcase oil distillation (Process: 8, System: 6)

Naphtha stabilizer (Process: 8, System: 1)

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

[Systems subject to this condition : Process 3, System 4]

S31.1 The following BACT requirements shall apply to VOC service fugitive components associated with the devices that are covered by application number(s) 408951 and 367625:

## FACILITY PERMIT TO OPERATE EDGINGTON OIL COMPANY

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

All valves shall be bellows sealed valves except in the following applications: valves in heavy liquid service, control valves, instrument piping/tubing valves, valves requiring torsional stem motion, situations where valve failure could pose safety hazard (e.g., drain valves with stems in horizontal position), retrofit/special and valves not commercially available (e.g., valves larger than 8", valves larger than 2" that require special alloys or connectors, etc.)

The District shall approve all exceptions to this requirement

The operator shall provide the following information to the District no later than 60 days after initial startup:

(a) Process and instrumentation diagrams (or some other equivalent District-approved diagrams) that identify all valves. Along with the diagrams, the operator shall provide a listing of all valves categorized by location, type, size, accessibility and service; and,

(b) A recalculation of fugitive emissions based on actual fugitive components installed and removed from service. All valves shall be categorized by size and service. The operator shall submit a listing of all non-bellows seal valves categorized by tag number, type, size, body material, service, operating temperature, operating pressure and reason(s) why bellows seal valves were not used.

All non-bellows seal valves shall be inspected monthly using EPA Method 21. The operator may begin quarterly inspections, upon District approval, after two consecutive monthly inspections in which only two percent or less of non-bellows seal valves are found to be leaking above 500 ppmv.

All valves and new major components shall be physically identified in the field with special marking that distinguish the components from non-BACT components. Additionally, all new components shall be identified as BACT components in the records.

The leak rate from non-bellows seal valves and other non-valve fugitive components shall not exceed 500 ppmv. A leak rate greater than 500 ppmv, but

## FACILITY PERMIT TO OPERATE EDGINGTON OIL COMPANY

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

less than or equal to 1,000 ppmv, shall be repaired within 14 calendar days after detection of the leak.

**[RULE 1173, 5-13-1994; RULE 1173, 2-6-2009; RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]**

[Systems subject to this condition : Process 2, System 7; Process 3, System 4]

#### DEVICE CONDITIONS

##### A. Emission Limits

A63.1 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
SOX	Less than or equal to 13900 LBS IN ANY ONE YEAR

For the purposes of this condition, the limit(s) shall be based on the total combined facility emissions.

**[RULE 2011(c)(4)-Super Compliance, 12-5-2003; RULE 2011(c)(4) - Super Compliance, 1-7-2005]**

[Devices subject to this condition : D38]

##### B. Material/Fuel Type Limits

B61.2 The operator shall not use fuel gas containing the following specified compounds:

Compound	ppm by volume
H2S greater than	160

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

## **FACILITY PERMIT TO OPERATE EDGINGTON OIL COMPANY**

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

**[40CFR 60 Subpart J, 6-24-2008]**

[Devices subject to this condition : D38]

#### **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 in the firebox of the boiler.

The measuring device or gauge shall be accurate to within plus or minus 50 degrees Fahrenheit. It shall be calibrated once every 12 months.

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

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 470, 5-7-1976]**

[Devices subject to this condition : D38]

- C8.2 The operator shall use this equipment in such a manner that the caustic strength being monitored, as indicated below, is not less than 5 percent.

The operator shall monitor the caustic strength of the recirculating scrubbing solution once a day.

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

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; 40CFR 60 Subpart J, 6-24-2008]**

[Devices subject to this condition : D19, D20, C376]

- C8.3 The operator shall use this equipment in such a manner that the flow rate being monitored, as indicated below, is not less than 20 gpm.

## **FACILITY PERMIT TO OPERATE EDGINGTON OIL 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 monitor the flow rate of the scrubbing solution twice a day

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

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; 40CFR 60 Subpart J, 6-24-2008]**

[Devices subject to this condition : D19, D20]

C8.5 The operator shall use this equipment in such a manner that the flow rate being monitored, as indicated below, is not less than 75 gpm.

The operator shall monitor the flow rate of the scrubbing solution twice a day

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

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; 40CFR 60 Subpart J, 6-24-2008]**

[Devices subject to this condition : C376]

#### **D. Monitoring/Testing Requirements**

D28.1 The operator shall conduct source test(s) in accordance with the following specifications:

The test shall be conducted on or before July 1, 1996, and annually thereafter, by a qualified source tester in accordance with the protocol approved by the District.

The test shall be conducted to determine the SOX emissions at the outlet.

The test shall be conducted to demonstrate compliance with the Super Compliance provisions of Rules 2011(4)(C) and 2011(4)(D), as amended September 8, 1995.

**[RULE 2011(c)(4)-Super Compliance, 12-5-2003; RULE 2011(c)(4) - Super Compliance, 1-7-2005]**

## FACILITY PERMIT TO OPERATE EDGINGTON OIL COMPANY

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

[Devices subject to this condition : D38]

D90.1 The operator shall periodically monitor the H<sub>2</sub>S concentration at the inlet of this device according to the following specifications:

The Alternative Monitoring Plan (AMP) approved by the United States Environmental Protection Agency (USEPA) on May 30, 2006 for the periodic monitoring and reporting of H<sub>2</sub>S concentration for refinery gas stream to FGCD B-501 (D38).

In addition, the operator shall also comply with all other requirements of the AMP issued by the USEPA on May 30, 2006 for B-501.

**[40CFR 60 Subpart A, 6-13-2007; 40CFR 60 Subpart J, 6-24-2008]**

[Devices subject to this condition : D38]

D297.1 This equipment is subject to the Super Compliance provisions of Rule 2011. In order to maintain designation as a Super Compliant facility, the operator shall conduct annual source tests of this equipment to determine the SO<sub>x</sub> emissions at the outlet. The test shall be conducted to demonstrate compliance with Rule 2011 (c)(4)(C) and 2011 (c) (4)(D), as amended September 8, 1995. The operator shall also provide source tests reports to the District no more than sixty days after the date of the source tests, and the report for the first source test shall be provided no later than 31-mar-2001.

**[RULE 2011, 5-6-2005]**

[Devices subject to this condition : D38]

## FACILITY PERMIT TO OPERATE EDGINGTON OIL COMPANY

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

D323.1 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 an annual basis, at least, unless the equipment did not operate during the entire annual period. The routine 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]**

## FACILITY PERMIT TO OPERATE EDGINGTON OIL COMPANY

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

[Devices subject to this condition : D38]

D328.1 The operator shall determine compliance with the CO emission limit(s) either: (a) conducting a source test at least once every five years using AQMD Method 100.1 or 10.1; or (b) conducting a test at least annually using a portable analyzer and AQMD-approved test method. The test shall be conducted when the equipment is operating under normal conditions to demonstrate compliance with Rule 407 and Rule 1146. The operator shall comply with all general testing, reporting, and recordkeeping requirements in Sections E and K of this permit.

**[RULE 1146, 11-17-2000; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 407, 4-2-1982]**

[Devices subject to this condition : D38, D187, D196]

D332.1 The operator shall determine compliance with the CO emission limit(s) by conducting a test at least once every five years using a portable analyzer and AQMD-approved test method or, if not available, a non-AQMD approved test method. The test shall be conducted when the equipment is operating under normal conditions to demonstrate compliance with CO concentration limits. The operator shall comply with all general testing, reporting, and recordkeeping requirements in Sections E and K of this permit.

**[RULE 1146, 11-17-2000; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 407, 4-2-1982]**

[Devices subject to this condition : D280]

#### **H. Applicable Rules**

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

Contaminant	Rule	Rule/Subpart
H2S	40CFR60, SUBPART	J

## FACILITY PERMIT TO OPERATE EDGINGTON OIL COMPANY

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

**[40CFR 60 Subpart J, 6-24-2008]**

[Devices subject to this condition : D38]

H23.13 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	40CFR60, SUBPART	GGG
VOC	District Rule	1173

**[RULE 1173, 5-13-1994; RULE 1173, 2-6-2009; 40CFR 63 Subpart GGG, 4-20-2006]**

[Devices subject to this condition : D295]

#### **K. Record Keeping/Reporting**

K40.1 The operator shall provide to the District a source test report in accordance with the following specifications:

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

Emission data shall be expressed in terms of lbs/MM cubic feet.

**[RULE 463, 5-6-2005]**

[Devices subject to this condition : D38]