



## FACILITY PERMIT TO OPERATE

**DEMENNO/KERDOON  
2000 N ALAMEDA ST  
COMPTON, CA 90222**

### 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 DEMENNO/KERDOON

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## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

### 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</b>					
<b>System 1: USED OIL DEHYDRATION</b>					S15.1
PUMP, P-002A, 1000-SERIES NORTH TRANSFER, 15 HP A/N: 513069	D426				
PUMP, P-002B, 1000-SERIES SOUTH TRANSFER, 15 HP A/N: 513069	D427				
PUMP, P-215, TANK 2003 CIRCULATION, 25 HP A/N: 513069	D428				
PUMP, P-XX2, SWTF TRANSFER, 15 HP A/N: 513069	D429				
PUMP, P-XX3, SWTF TRANSFER, 15 HP A/N: 513069	D430				
PUMP, AP-412, DRAIN, AIR-POWERED A/N: 513069	D431				
PUMP, P-204A/B/C, EAST/MIDDLE/WEST DEHYDRATION CHARGE, 50 HP EACH, 3 TOTAL A/N: 513069	D326				
HEAT EXCHANGER, SHELL AND TUBE TYPE, E-406A/B IN SERIES, NORTH PREHEATER, 2 TOTAL; DIAMETER: 3 FT 4 IN; LENGTH: 14 FT 6 IN A/N: 513069	D132				

- \* (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.



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<b>Process 1: DISTILLATION</b>					
HEAT EXCHANGER, SHELL AND TUBE TYPE, E-405A/B, IN SERIES, SOUTH PREHEATER, 2 TOTAL; DIAMETER: 3 FT 4 IN; LENGTH: 14 FT 6 IN A/N: 513069	D133				
TOWER, FLASH, DEHYDRATION VESSEL, C-201, HEIGHT: 22 FT ; DIAMETER: 5 FT A/N: 513069	D125	D266 D267			
PUMP, P-201A/B IN SERIES, EAST/WEST C-201 BOTTOMS, 50 HP EACH, 2 TOTAL A/N: 513069	D237				
HEAT EXCHANGER, SHELL AND TUBE TYPE, E-203, LENGTH: 15 FT 11 IN; DIAMETER: 2 FT 8 IN A/N: 513069	D247				
TOWER, FLASH, DEHYDRATION VESSEL, C-202, HEIGHT: 22 FT ; DIAMETER: 5 FT A/N: 513069	D126	D266 D267			
PUMP, P-202A/B IN SERIES, NORTH/SOUTH C-202 BOTTOMS, 50 HP EACH, 2 TOTAL A/N: 513069	D263				
HEAT EXCHANGER, SHELL AND TUBE TYPE, E-203A,, LENGTH: 15 FT 11 IN; DIAMETER: 2 FT 8 IN A/N: 513069	D265				

- \* (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
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1: DISTILLATION</b>					
HEAT EXCHANGER, SHELL AND TUBE TYPE, E-202,C-202 OVERHEAD COOLER, LENGTH: 14 FT 6 IN; DIAMETER: 3 FT A/N: 513069	D266	D125 D126 D128			
HEAT EXCHANGER, SHELL AND TUBE TYPE, E-201,C-201 OVERHEAD COOLER, LENGTH: 14 FT 6 IN; DIAMETER: 3 FT A/N: 513069	D267	D125 D126 D128			
TOWER, FLASH, VACUUM DEHYDRATION VESSEL, C-203, HEIGHT: 22 FT ; DIAMETER: 5 FT A/N: 513069	D127	D258			
PUMP, P-203A/B, NORTH/SOUTH C-203 BOTTOMS, 15 HP EACH, 2 TOTAL A/N: 513069	D305				
HEAT EXCHANGER, SHELL AND TUBE TYPE, E-206, FUELOIL COOLER, LENGTH: 14 FT 6 IN; DIAMETER: 2 FT 2 IN A/N: 513069	D525				
TOWER, FLASH, VACUUM DEHYDRATION VESSEL, C-206, HEIGHT: 10 FT 6 IN; DIAMETER: 5 FT A/N: 513069	D178	D258			
PUMP, P-206A, EAST C-206 BOTTOMS, 10 HP A/N: 513069	D351				

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
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(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
(2) (2A) (2B) Denotes RECLAIM emission rate  
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<b>Process 1: DISTILLATION</b>					
PUMP, P-206B, WEST C-206 BOTTOMS, 20 HP A/N: 513069	D423				
CONDENSER, BAROMETRIC, LENGTH: 10 FT 11 IN; DIAMETER: 10 IN A/N: 513069	D258	D127 D178 D260 D344			
HEAT EXCHANGER, SHELL AND TUBE TYPE, E-205, BAROMETRIC COOLER, LENGTH: 12 FT 4 IN; DIAMETER: 2 FT 6 IN A/N: 513069	D260	D128 D258			
ACCUMULATOR, PHASE SEPARATOR, D-204, LENGTH: 20 FT ; DIAMETER: 5 FT A/N: 513069	D128	D9 D31 D121 D176 D177 D260 D266 D267 D294 D295 D361 D373 D380 D383 D385 D394 D395 D417			
PUMP, EAST/WEST BAROMETRIC, P-701A/B, 15 HP EACH, 2 TOTAL A/N: 513069	D255				
PUMP, EAST NAPHTHA, P-702A, 5 HP A/N: 513069	D256				
PUMP, WEST NAPHTHA, P-702B, 7.5 HP A/N: 513069	D259				
PUMP, EAST/WEST WATER, P-703A/B, 7.5 HP EACH, 2 TOTAL A/N: 513069	D257				

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- (3) Denotes RECLAIM concentration limit
- (5) (5A) (5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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<b>Process 1 - DISTILLATION</b>					
PUMP, AP-205A/B, EAST/WEST SLOP INJECTION, AIR-POWERED A/N: 513069	D508				
PUMP, AP-213, DEHYDRATION CHARGE PUMP DRAIN PUMPS POT, AIR-POWERED A/N: 513069	D509				
<b>System 2 - VACUUM DISTILLATION UNIT NO. 1</b>					S15.1
HEAT EXCHANGER, SHELL AND TUBE TYPE, E-404, NORTH VAPORIZER, VACUUM UNIT NO. 1, HEIGHT: 26 FT 6 IN; DIAMETER: 2 FT 6 IN A/N: 512557	D364				
COLUMN, C-205, DISTILLATION, VACUUM UNIT NO. 1, HEIGHT: 28 FT ; DIAMETER: 5 FT A/N: 512557	D236	D240			
PUMP, P-402, C-205 BOTTOMS CIRCULATION, 20 HP A/N: 512557	D354				
PUMP, P-402A, C-205 SEAL FLUSH, 0.25 HP A/N: 512557	D355				
DRUM, PS-1, PUMP SEAL OIL, HEIGHT: 4 FT ; DIAMETER: 3 FT 6 IN A/N: 512557	D363				
PUMP, P-401A/B, NORTH/SOUTH C-205 BOTTOMS, 15 HP EACH, 2 TOTAL A/N: 512557	D356				

- \* (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 1: DISTILLATION</b>					
CONDENSER, SHELL AND TUBE, E-400, C-205 OVERHEAD, VACUUM UNIT NO. 1, LENGTH: 14 FT 6 IN; DIAMETER: 2 FT 10 IN A/N: 512557	D240	D1 D236			
ACCUMULATOR, MDO, D-400, LENGTH: 6 FT 9 IN; DIAMETER: 3 FT A/N: 512557	D353				
PUMP, P-403A/B, NORTH/SOUTH MDO, 15 HP EACH, 2 TOTAL A/N: 512557	D357				
EJECTOR, EJ-1A, 1ST STAGE, VACUUM UNIT NO. 1 A/N: 512557	D1	D240 D358			
CONDENSER, SHELL AND TUBE, E-401A, 1ST STAGE, VACUUM UNIT NO. 1, LENGTH: 17 FT ; DIAMETER: 1 FT A/N: 512557	D358	D1 D2			
DRUM, D-401A, CONDENSATE, VACUUM UNIT NO. 1, LENGTH: 3 FT 2 IN; DIAMETER: 3 FT A/N: 512557	D238				
EJECTOR, EJ-1B, 2ND STAGE, VACUUM UNIT NO. 1 A/N: 512557	D2	D358 D359			
CONDENSER, SHELL AND TUBE, E-401B, 2ND STAGE, VACUUM UNIT NO. 1, LENGTH: 13 FT 6 IN; DIAMETER: 8 IN A/N: 512557	D359	D2 D3			

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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 1: DISTILLATION</b>					
DRUM, D-401B, CONDENSATE, VACUUM UNIT NO. 1, LENGTH: 2 FT 6 IN; DIAMETER: 3 FT A/N: 512557	D239				
PUMP, P-404A, NORTH CONDENSATE, 1 HP A/N: 512557	D360				
PUMP, P-404B/C, MIDDLE/SOUTH CONDENSATE, 2 HP EACH, 2 TOTAL A/N: 512557	D520				
EJECTOR, EJ-1C, 3RD STAGE, VACUUM UNIT NO. 1 A/N: 512557	D3	D359 D361			
CONDENSER, SHELL AND TUBE, E-401C, 3RD STAGE, VACUUM UNIT NO. 1, LENGTH: 10 FT 2 IN; DIAMETER: 8 IN A/N: 512557	D361	D3 D128 D176			
HEAT EXCHANGER, SHELL AND TUBE, E-425, CIRCULATION COOLER, LENGTH: 12 FT ; DIAMETER: 2 FT 10 IN A/N: 512557	D362				
PUMP, AP-411, DRAIN POT, AIR-POWERED A/N: 512557	D510				
<b>System 3: VACUUM DISTILLATION UNIT NO.2</b>					S15.1

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  - (5) (5A) (5B) Denotes command and control emission limit
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  - (9) See App B for Emission Limits
  - (2) (2A) (2B) Denotes RECLAIM emission rate
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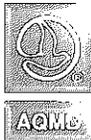
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 1: DISTILLATION</b>					
HEAT EXCHANGER, SHELL AND TUBE TYPE, E-403, SOUTH VAPORIZER, VACUUM UNIT NO. 2, HEIGHT: 26 FT 6 IN; DIAMETER: 2 FT 6 IN A/N: 512558	D299				
HEAT EXCHANGER, SHELL AND TUBE TYPE, E-423, VAPORIZER, VACUUM UNIT NO. 2, HEIGHT: 11 FT 8 IN; DIAMETER: 2 FT A/N: 512558	D186				
COLUMN, C-207, DISTILLATION, VACUUM UNIT NO. 2, HEIGHT: 48 FT ; DIAMETER: 7 FT A/N: 512558	D188	D185			
PUMP, P-422A/B, C-207 BOTTOMS CIRCULATION, 50 HP EACH, 2 TOTAL A/N: 512558	D365				
HEAT EXCHANGER, SHELL AND TUBE TYPE, E-XX, VAPORIZER, VACUUM UNITS NO. 1 AND NO. 2, LENGTH: 19 FT 2 IN; DIAMETER: 3 FT 8 IN A/N: 512558	D424				
PUMP, P-405A/B, NORTH/SOUTH C-207 BOTTOMS, 15 HP EACH, 2 TOTAL A/N: 512558	D366				
CONDENSER, SHELL AND TUBE, E-420, C-207 OVERHEAD, VACUUM UNIT NO. 2, LENGTH: 14 FT 6 IN; DIAMETER: 2 FT 10 IN A/N: 512558	D185	D180 D188			

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process I: DISTILLATION</b>					
ACCUMULATOR, D-420, VACUUM UNIT NO. 2, LENGTH: 6 FT 2 IN; DIAMETER: 3 FT 4 IN A/N: 512558	D179				
PUMP, P-406A, NORTH MDO, 7.5 HP A/N: 512558	D521				
PUMP, P-406B, SOUTH MDO, 15 HP A/N: 512558	D367				
EJECTOR, EJ-2A, FIRST STAGE, VACUUM UNIT NO. 2 A/N: 512558	D180	D181 D185			
CONDENSER, E-421A, FIRST STAGE, VACUUM UNIT NO. 2, LENGTH: 14 FT ; DIAMETER: 2 FT 8 IN A/N: 512558	D181	D180 D183			
DRUM, D-421A, CONDENSATE, VACUUM UNIT NO. 2, LENGTH: 3 FT ; DIAMETER: 2 FT 6 IN A/N: 512558	D182				
EJECTOR, EJ-2B, SECOND STAGE, VACUUM UNIT NO. 2 A/N: 512558	D183	D181 D184			
CONDENSER, E-421B, SECOND STAGE, VACUUM UNIT NO. 2, LENGTH: 16 FT ; DIAMETER: 1 FT 1 IN A/N: 512558	D184	D183 D370			
DRUM, D-421B, CONDENSATE, VACUUM UNIT NO. 2, LENGTH: 3 FT ; DIAMETER: 2 FT 6 IN A/N: 512558	D368				

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- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
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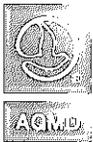
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<b>Process 1: DISTILLATION</b>					
PUMP, P-407A/B/C, NORTH/MIDDLE/SOUTH CONDENSATE, 2 HP EACH, 3 TOTAL A/N: 512558	D369				
EJECTOR, EJ-2C, THIRD STAGE, VACUUM UNIT NO. 2 A/N: 512558	D370	D184 D373			
CONDENSER, E-421C, THIRD STAGE, VACUUM UNIT NO. 2, LENGTH: 15 FT 2 IN; DIAMETER: 9 IN A/N: 512558	D373	D128 D176 D370			
PUMP, VACUUM, VP-408A, 15 HP A/N: 512558	D176	D128 D361 D373			
HEAT EXCHANGER, E-429, FLUX RUNDOWN COOLER, TUBE/WATER BOX, WIDTH: 8 FT ; HEIGHT: 5 FT 6 IN; LENGTH: 26 FT A/N: 512558	D173				
PUMP, P-011, FLUX CIRCULATION, 15 HP A/N: 512558	D371				
PUMP, P-009, WEST FLUX, 20 HP A/N: 512558	D372				
HEAT EXCHANGER, N-10, FLUX RUNDOWN COOLER A/N: 512558	D102				
DRUM, BLEEDER, 3 TOTAL; DIAMETER: 1 FT ; HEIGHT: 2 FT A/N: 512558	D425				
<b>System 4: VACUUM DISTILLATION UNIT HEATERS</b>					

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<b>Process 1: DISTILLATION</b>					
HEATER, NORTH DOWTHERM, NATURAL GAS, WITH LOW NOX BURNER, FLUE GAS RECIRCULATION, 9.5 MMBTU/HR WITH A/N: 422538	D270		NOX: PROCESS UNIT**	CO: 25 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; CO: 400 PPMV NATURAL GAS (5) [RULE 1146, 11-17-2000; RULE 1146, 9-5-2008]; CO: 2000 PPMV NATURAL GAS (5A) [RULE 407, 4-2-1982]; NOX: 9 PPMV NATURAL GAS (4) [RULE 2005, 4-20-2001]; NOX: 9 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	D12.1, D12.3, D29.5, D332.2, K67.17
BURNER, NATURAL GAS, GIDEON, WITH LOW NOX BURNER, 9.5 MMBTU/HR					

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- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
- (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 DEMENNO/KERDOON

### 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</b>					
HEATER, SOUTH DOWTHERM, NATURAL GAS, WITH LOW NOX BURNER, FLUE GAS RECIRCULATION, 9.5 MMBTU/HR WITH A/N: 422643	D272		NOX: PROCESS UNIT**	CO: 25 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; CO: 400 PPMV NATURAL GAS (5) [RULE 1146, 11-17-2000; RULE 1146, 9-5-2008]; CO: 2000 PPMV NATURAL GAS (5A) [RULE 407, 4-2-1982]; NOX: 9 PPMV NATURAL GAS (4) [RULE 2005, 4-20-2001]; NOX: 9 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	D12.1, D12.3, D29.5, D332.2, K67.17
BURNER, NATURAL GAS, GIDEON, WITH LOW NOX BURNER, 9.5 MMBTU/HR					
<b>Process 2: LUBRICATION OIL PRODUCTION</b>					
<b>System 1: PRM STRIPPER</b>					
HEAT EXCHANGER, SHELL AND TUBE TYPE, E-121A/B, PRM PREHEATER, 2 TOTAL; DIAMETER: 1 FT 4 IN; LENGTH: 12 FT 2 IN A/N: 512557	D327				
COLUMN, PRM STEAM STRIPPER TOWER, C-220, HEIGHT: 21 FT 10 IN; DIAMETER: 2 FT A/N: 512557	D5	D344			S15.1

- \* (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

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## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

### 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: LUBRICATION OIL PRODUCTION</b>					
CONDENSER, SHELL AND TUBE, WATER COOLED, E-124, PRM OVERHEAD, LENGTH: 8 FT ; DIAMETER: 10 IN A/N: 512557	D344	D5 D258			
POT, CONDENSATE, HEIGHT: 6 FT ; DIAMETER: 3 FT A/N: 512557	D348				
PUMP, P-220/221, CONDENSATE, 2 HP EACH, 2 TOTAL A/N: 512557	D350				
PUMP, P-208A/B, NORTH/SOUTH MDO STRIPPER BOTTOMS, 5 HP EACH, 2 TOTAL A/N: 512557	D349				
HEAT EXCHANGER, SHELL AND TUBE TYPE, E-123, PRM CIRCULATION HEATER, LENGTH: 8 FT ; DIAMETER: 8 IN A/N: 512557	D345				
HEAT EXCHANGER, SHELL AND TUBE TYPE, E-122A/B, MDO COOLER, 2 TOTAL; DIAMETER: 1 FT 4 IN; LENGTH: 12 FT 2 IN A/N: 512557	D346				
HEAT EXCHANGER, SHELL AND TUBE TYPE, E-125, MDO COOLER A/N: 512557	D347				
<b>Process 3: TREATING/STRIPPING</b>					
<b>System 1: NAPHTHA SPLITTER UNIT</b>					S15.1
PUMP, P-601A/B, CHARGE, 3 HP EACH, 2 TOTAL A/N: 512556	D374				

- |   |   |
|---|---|
| <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 DEMENNO/KERDOON

### 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>					
VESSEL, D-507, NORTH SALT DRYER, HEIGHT: 10 FT 11 IN; DIAMETER: 4 FT 6 IN A/N: 512556	D375				
VESSEL, D-508, SOUTH SALT DRYER, HEIGHT: 10 FT 11 IN; DIAMETER: 4 FT 6 IN A/N: 512556	D376				
PUMP, AP-021, SALT DRYER DRAIN, AIR-POWERED A/N: 512556	D531				
HEAT EXCHANGER, DOUBLE PIPE, E-501A/B, FEED PRE-HEATER, 2 TOTAL; DIAMETER: 1 IN; LENGTH: 9 FT 6 IN A/N: 512556	D377				
HEAT EXCHANGER, DOUBLE PIPE, E-501C/D, FEED PRE-HEATER, 2 TOTAL; DIAMETER: 1 IN; LENGTH: 18 FT A/N: 512556	D422				
COLUMN, C-501, SPLITTER TOWER, HEIGHT: 7 FT 9 IN; DIAMETER: 1 FT 5 IN WITH A/N: 512556	D7	D379			
EVAPORATOR, THIN-FILM, WITH 2 HP ROTOR, P-607, LENGTH: 12 FT 2 IN; DIAMETER: 2 FT 6 IN	D378				

- \* (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 DEMENNO/KERDOON

### 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>					
HEAT EXCHANGER, SHELL AND TUBE TYPE, E-502, OVERHEAD CONDENSER, LENGTH: 5 FT ; DIAMETER: 4 IN A/N: 512556	D379	D7 D8			
PUMP, VACUUM, VP-603, 2 HP A/N: 512556	D8	D9 D379			
ACCUMULATOR, D-501, OVERHEAD SEPARATOR, HEIGHT: 1 FT ; DIAMETER: 8 IN A/N: 512556	D9	D8 D128			
DRUM, D-502, REFLUX SEPARATOR, HEIGHT: 3 FT ; DIAMETER: 8 IN A/N: 512556	D380	D128			
HEAT EXCHANGER, SHELL AND TUBE TYPE, E-503, SEAL WATER COOLER, LENGTH: 2 FT 6 IN; DIAMETER: 4 IN A/N: 512556	D381				
PUMP, P-604, SPLITTER OVERHEAD, 0.75 HP A/N: 512556	D13				
PUMP, P-605, WATER, 0.75 HP A/N: 512556	D11				
ACCUMULATOR, D-503, BOTTOMS, HEIGHT: 4 FT 8 IN; DIAMETER: 10 IN A/N: 512556	D6				
PUMP, P-602, BOTTOMS, 0.75 HP A/N: 512556	D12				

- \* (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 DEMENNO/KERDOON

### 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>					
HEAT EXCHANGER, DOUBLE PIPE, E-504A, BOTTOMS COOLER, LENGTH: 15 FT ; DIAMETER: 4 IN A/N: 512556	D382				
<b>Process 4: ETHYLENE GLYCOL RECYCLING UNIT</b>					
<b>System 1: ETHYLENE GLYCOL DISTILLATION</b>					S15.1
TANK, S-13, USED GLYCOL FEED, 18543 GALS; DIAMETER: 12 FT ; HEIGHT: 20 FT 3 IN A/N: 512565	D383	D128			
PUMP, P-929, TANK S-13 TRANSFER, 5 HP A/N: 512565	D384				
TANK, S-11, USED GLYCOL FEED, 17181 GALS; DIAMETER: 11 FT ; HEIGHT: 22 FT A/N: 512565	D385	D128			
PUMP, P-901, E.G. UNIT CHARGE, 15 HP A/N: 512565	D386				

- \* (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
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## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

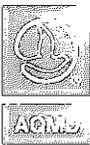
### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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: ETHYLENE GLYCOL RECYCLING UNIT</b>					
DRUM, D-901, ATMOSPHERIC FLASH, HEIGHT: 9 FT 6 IN; DIAMETER: 2 FT WITH A/N: 512565	D387				
PUMP, P-902, CIRCULATION, 15 HP	D388				
HEAT EXCHANGER, SHELL AND TUBE TYPE, E-901A/B, ATMOSPHERIC FEED PREHEATER, 2 TOTAL; DIAMETER: 1 FT 6 IN; LENGTH: 17 FT 6 IN	D389				
DRUM, D-902, VACUUM FLASH, HEIGHT: 9 FT 6 IN; DIAMETER: 2 FT WITH A/N: 512565	D390				
PUMP, P-903, CIRCULATION, 15 HP	D391				
HEAT EXCHANGER, SHELL AND TUBE TYPE, E-902A/B, VACUUM PREHEATER, 2 TOTAL; DIAMETER: 1 FT 6 IN; LENGTH: 17 FT 6 IN	D392				
DRUM, D-908, WATER, HEIGHT: 3 FT 5 IN; DIAMETER: 3 FT A/N: 512565	D421				
PUMP, P-904A/B, RESIDUE, 1 HP EACH, 2 TOTAL A/N: 512565	D393				

- \* (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 DEMENNO/KERDOON

### 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: ETHYLENE GLYCOL RECYCLING UNIT</b>					
TANK, S-12, GLYCOL RESIDUE, 17181 GALS; DIAMETER: 11 FT ; HEIGHT: 22 FT A/N: 512565	D394	D128			
TANK, S-14, GLYCOL RESIDUE, 14219 GALS; DIAMETER: 11 FT ; HEIGHT: 20 FT 9 IN A/N: 512565	D395	D128			
COLUMN, C-901, ATMOSPHERIC, HEIGHT: 27 FT ; DIAMETER: 2 FT WITH A/N: 512565	D396				
PUMP, P-905, C-901 BOTTOMS, 0.75 HP	D397				
HEAT EXCHANGER, SHELL AND TUBE TYPE, E-906, C-901 OVERHEAD COOLER, LENGTH: 11 FT 6 IN; DIAMETER: 1 FT 6 IN	D398				
CONDENSER, FF-904, FIN-FAN COOLER, WIDTH: 4 FT 4 IN; HEIGHT: 3 FT 10 IN; LENGTH: 4 FT 7 IN	D399				

- |   |   |
|---|---|
| <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  
DEMENNO/KERDOON**

**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: ETHYLENE GLYCOL RECYCLING UNIT</b>					
COLUMN, C-902, VACUUM, HEIGHT: 26 FT ; DIAMETER: 2 FT WITH A/N: 512565	D400				
PUMP, P-906, C-902 BOTTOMS, 0.75 HP	D401				
HEAT EXCHANGER, SHELL AND TUBE TYPE, E-907, C-902 OVERHEAD COOLER, LENGTH: 11 FT 4 IN; DIAMETER: 1 FT 8 IN	D402				
CONDENSER, FF-903, FIN-FAN COOLER, WIDTH: 4 FT 10 IN; HEIGHT: 2 FT ; LENGTH: 5 FT 8 IN	D122				
PUMP, P-910, VACUUM, 5 HP A/N: 512565	D123				
ACCUMULATOR, D-903, HEIGHT: 2 FT 6 IN; DIAMETER: 1 FT 10 IN A/N: 512565	D121	D128			
PUMP, P-909, V-903 WATER, 0.75 HP A/N: 512565	D124				
DRUM, D-907, REFLUX WATER, HEIGHT: 4 FT ; DIAMETER: 5 FT 10 IN A/N: 512565	D404				
PUMP, P-911A, WATER TANK REFLUX, 0.75 HP A/N: 512565	D405				

\* (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 DEMENNO/KERDOON

### 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: ETHYLENE GLYCOL RECYCLING UNIT</b>					
HEAT EXCHANGER, SHELL AND TUBE TYPE, E-908, SEAL WATER COOLER, LENGTH: 1 FT 6 IN; DIAMETER: 6 IN A/N: 512565	D403				
PUMP, P-911B, WATER TANK DISCHARGE, 0.75 HP A/N: 512565	D406				
COLUMN, C-903, VACUUM, HEIGHT: 26 FT ; DIAMETER: 2 FT WITH A/N: 512565	D407				
PUMP, P-907, C-903 BOTTOMS CIRCULATION, 1.5 HP	D408				
HEAT EXCHANGER, SHELL AND TUBE TYPE, E-903, REBOILER, LENGTH: 6 FT 9 IN; DIAMETER: 1 FT 8 IN	D409				
HEATER, H-901, ELECTRICALLY-POWERED REBOILER, LENGTH: 5 FT 6 IN; DIAMETER: 5 IN	D410				
CONDENSER, FF-905, FIN-FAN COOLER, WIDTH: 4 FT 4 IN; HEIGHT: 3 FT 10 IN; LENGTH: 4 FT 7 IN A/N: 512565	D411				
PUMP, P-908, E.G. PRODUCT, 1.5 HP A/N: 512565	D412				
VESSEL, D-904, CARBON, HEIGHT: 14 FT 8 IN; DIAMETER: 4 FT A/N: 512565	D413				

\* (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 DEMENNO/KERDOON

### 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: ETHYLENE GLYCOL RECYCLING UNIT</b>					
HEAT EXCHANGER, SHELL AND TUBE TYPE, E-909, COOLER, LENGTH: 5 FT ; DIAMETER: 8 IN A/N: 512565	D420				
VESSEL, D-905, ACTIVATED CARBON, HEIGHT: 14 FT 8 IN; DIAMETER: 4 FT A/N: 512565	D414				
VESSEL, D-906, ACTIVATED CARBON, HEIGHT: 14 FT 8 IN; DIAMETER: 4 FT A/N: 512565	D415				
VESSEL, RESIN BED, UP TO 40 CU. FT. VOLUME A/N: 512565	D416				
TANK, K-7, EG RESIDUE, 3743 GALS; DIAMETER: 7 FT ; HEIGHT: 13 FT A/N: 512565	D417	D128			
PUMP, AP-XXX, EG TO TANK K7, AIR-POWERED, 2 TOTAL A/N: 512565	D545				
PUMP, AP-920, GLYCOL TRANSFER, AIR-POWERED A/N: 512565	D512				
PUMP, AP-922, AIR-POWERED A/N: 512565	D513				
PUMP, P-924, 10 HP A/N: 512565	D514				
PUMP, AP-928, AIR-POWERED A/N: 512565	D515				

\* (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 DEMENNO/KERDOON

### 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: ETHYLENE GLYCOL RECYCLING UNIT</b>					
PUMP, AP-930, TRANSFER, AIR-POWERED A/N: 512565	D516				
PUMP, AP-931, AIR-POWERED A/N: 512565	D517				
<b>Process 5: OIL/WATER SEPARATION</b>					
<b>System 1: WASTE WATER TREATMENT</b>					S1.12, S15.6
PUMP, P-012, WATER DRAW - 1100-SERIES TANKS, 3 HP A/N: 447670	D435				
PUMP, P-013, KO-301 DRAIN, 0.75 HP A/N: 447670	D436				
PUMP, P-019B, WATER DRAW : 500-SERIES TANKS, 25 HP A/N: 447670	D437				
PUMP, P-XX1, SWTF TRANSFER, 15 HP A/N: 447670	D438				
PUMP, P-104, N-10 FLUX COOLER DRAIN, 2 HP A/N: 447670	D439				
PUMP, P-307, LAB COLLECTION BOX, 7.5 HP A/N: 447670	D440				
PUMP, P-308, LAB COLLECTION BOX, 5 HP A/N: 447670	D441				
PUMP, P-XX, LAB COLLECTION BOX, 5 HP A/N: 447670	D442				

- \* (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 DEMENNO/KERDOON

### 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: OIL/WATER SEPARATION</b>					
PUMP, P-810, CONTROL ROOM DRAIN, 3 HP A/N: 447670	D443				
BIN, HOP300, SOLID, WITH CHAIN DRIVEN SCRAPER, WIDTH: 6 FT ; HEIGHT: 7 FT ; LENGTH: 12 FT A/N: 447670	D29	D323			H23.2
WASTE WATER SEPARATOR, TR300, WITH SEALED COVER, WIDTH: 8 FT ; HEIGHT: 4 FT ; LENGTH: 80 FT A/N: 447670	D30	D205			H23.2
PUMP, P-300A/B, EAST/WEST TROUGH OUTLET, 30 HP EACH, 2 TOTAL A/N: 447670	D444				
PUMP, P-003, TANK 9001 TRANSFER, 15 HP A/N: 447670	D432				
PUMP, P-004A, EAST TANK 1107 TRANSFER, 30 HP A/N: 447670	D433				
PUMP, P-004B, WEST TANK 1107 TRANSFER, 15 HP A/N: 447670	D434				
TANK, FIXED ROOF, NO. 1108, WASTEWATER, 46200 GALS; DIAMETER: 20 FT ; HEIGHT: 19 FT 11 IN A/N: 447670	D86	D205			

\* (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 DEMENNO/KERDOON

### 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: OIL/WATER SEPARATION</b>					
TANK, FIXED ROOF, NO.661, WASTEWATER, 28579 GALS; DIAMETER: 16 FT ; HEIGHT: 20 FT A/N: 447670	D96	D205			
TANK, V2, CONE-BOTTOM WASTEWATER SURGE, STEAM-HEATED, 29826 GALS; DIAMETER: 15 FT 6 IN; HEIGHT: 18 FT A/N: 447670	D25	D205			
TANK, HOLDING, NO.624, WASTEWATER, 42000 GALS; DIAMETER: 18 FT ; HEIGHT: 24 FT A/N: 447670	D27	D205			
PUMP, P-522, V2 CIRCULATION, 10 HP A/N: 447670	D446				
PUMP, P-505, TRANSFER, 15 HP A/N: 447670	D447				
PUMP, P-500, DRAIN, 5 HP A/N: 447670	D448				
DRUM, D303, WASTEWATER, BULLET NO. 1, 13,000 GAL, LENGTH: 55 FT ; DIAMETER: 6 FT A/N: 447670	D28	D205			
PUMP, P-501A/B, OUTLET, 15 HP EACH, 2 TOTAL A/N: 447670	D449				
TANK, V1, CONE-BOTTOM WASTEWATER SURGE, 53663 GALS; DIAMETER: 20 FT ; HEIGHT: 20 FT 6 IN A/N: 447670	D26	D205			H23.2

- |  |  |
|--|--|
| <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 DEMENNO/KERDOON

### 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: OIL/WATER SEPARATION</b>					
PUMP, P-504A/B, EAST/WEST CHARGE, 15 HP EACH, 2 TOTAL A/N: 447670	D450				
AIR FLOATATION UNIT, NO.1, HEIGHT: 9 FT 6 IN; DIAMETER: 20 FT A/N: 447670	D33	D205			H23.2
AIR FLOATATION UNIT, NO.2, HEIGHT: 8 FT ; DIAMETER: 13 FT 10 IN A/N: 447670	D32	D205			H23.2
TANK, FLOC ACCUMULATION, HEIGHT: 8 FT 6 IN; DIAMETER: 6 FT 8 IN A/N: 447670	D451	D205			
COLUMN, SURGE, D305, HEIGHT: 8 FT 10 IN; DIAMETER: 3 FT 10 IN A/N: 447670	D190	D205			
PUMP, P-509A/B, CHARGE, 25 HP EACH, 2 TOTAL A/N: 447670	D452				
DRUM, AIR DISSOLVER, HEIGHT: 3 FT 6 IN; DIAMETER: 1 FT A/N: 447670	D453				
PUMP, P-510A/B, 25 HP EACH, 2 TOTAL A/N: 447670	D454				
DRUM, D350, WASTEWATER, BULLET NO. 2, LENGTH: 55 FT ; DIAMETER: 6 FT A/N: 447670	D23	D194			

- \* (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 DEMENNO/KERDOON

### 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: OIL/WATER SEPARATION</b>					
PUMP, P-511A/B, 25 HP EACH, 2 TOTAL A/N: 447670	D455				
HEAT EXCHANGER, SHELL AND TUBE TYPE, E-352, STRIPPER PRE-HEATER, LENGTH: 14 FT 6 IN; DIAMETER: 1 FT 10 IN A/N: 447670	D456				
HEAT EXCHANGER, SHELL AND TUBE TYPE, E-353, STRIPPER PRE-HEATER, LENGTH: 15 FT 4 IN; DIAMETER: 2 FT A/N: 447670	D457				

- \* (1) (1A) (1B) Denotes RECLAIM emission factor
- (3) Denotes RECLAIM concentration limit
- (5) (5A) (5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

### 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: OIL/WATER SEPARATION</b>					
COLUMN, STRIPPER TOWER, T350, WASTEWATER, HEIGHT: 36 FT ; DIAMETER: 3 FT WITH A/N: 447670	D31	D128			
HEAT EXCHANGER, SHELL AND TUBE TYPE, E-351, STRIPPER REBOILER, LENGTH: 8 FT ; DIAMETER: 2 FT 6 IN	D458				
CONDENSER, SHELL AND TUBE TYPE, E-350, STRIPPER OVERHEAD COOLER, LENGTH: 11 FT ; DIAMETER: 1 FT	D459				
ACCUMULATOR, D-351, STRIPPER OVERHEAD RECEIVER, LENGTH: 7 FT ; DIAMETER: 4 FT	D51				
PUMP, VP-515, VACUUM, 15 HP	D45				
PUMP, P-514A, OVERHEAD RECEIVER, 3 HP	D522				
PUMP, P-514B, OVERHEAD RECEIVER, 5 HP	D460				
PUMP, VP-516A/B, VACUUM, 0.5 HP EACH, 2 TOTAL	D461				
ACCUMULATOR, D-352, HEIGHT: 4 FT ; DIAMETER: 3 FT	D44				

\* (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 DEMENNO/KERDOON

### 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: OIL/WATER SEPARATION</b>					
PUMP, P-512A/B, BOTTOMS, 25 HP EACH, 2 TOTAL A/N: 447670	D462				
PUMP, P-513, BOOSTER, 10 HP A/N: 447670	D463				
HEAT EXCHANGER, SHELL AND TUBE TYPE, E-355A/B & E-357A/B, EFFLUENT COOLERS, 4 TOTAL; DIAMETER: 2 FT ; LENGTH: 14 FT 6 IN A/N: 447670	D464				
VESSEL, D-353, ACTIVATED CARBON, HEIGHT: 12 FT 10 IN; DIAMETER: 8 FT A/N: 447670	D46				
VESSEL, D-354, ACTIVATED CARBON, HEIGHT: 12 FT 10 IN; DIAMETER: 8 FT A/N: 447670	D47				
VESSEL, D-355, ACTIVATED CARBON, HEIGHT: 17 FT ; DIAMETER: 8 FT A/N: 447670	D48				
VESSEL, D-356, ACTIVATED CARBON, HEIGHT: 17 FT ; DIAMETER: 8 FT A/N: 447670	D49				
PUMP, P-521, CIRCULATION, 10 HP A/N: 447670	D465				
VESSEL, D-710, ACTIVATED CARBON, HEIGHT: 12 FT 10 IN; DIAMETER: 8 FT A/N: 447670	D200				

- \* (1) (1A) (1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5) (5A) (5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
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## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

### 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: OIL/WATER SEPARATION</b>					
VESSEL, D-711, ACTIVATED CARBON, HEIGHT: 12 FT 10 IN; DIAMETER: 8 FT A/N: 447670	D201				
TANK, FIXED ROOF, NO.701, TREATED WATER, HEIGHT: 26 FT ; DIAMETER: 17 FT 6 IN A/N: 447670	D36	D136			
TANK, FIXED ROOF, NO. 702, 703, 704 & 705, TREATED WATER, 4 TOTAL, HEIGHT: 24 FT ; DIAMETER: 17 FT A/N: 447670	D38	D136			
TANK, FIXED ROOF, NO.706, TREATED WATER, HEIGHT: 36 FT ; DIAMETER: 12 FT A/N: 447670	D37	D136			
PUMP, P-518, CIRCULATION, 7.5 HP A/N: 447670	D466				
PUMP, P-519/520, DISCHARGE, 10 HP EACH, 2 TOTAL A/N: 447670	D467				
ENCLOSURE, LACSD EFFLUENT DISCHARGE, WIDTH: 3 FT ; HEIGHT: 4 FT 8 IN; LENGTH: 3 FT A/N: 447670	D468	D136			K67.20
PUMP, P-517, BACKWASH, 60 HP A/N: 447670	D511				

- \* (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
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 5: OIL/WATER SEPARATION</b>					
PUMP, LIST OF SUMP PUMPS WITH A/N: 447670	B469				
PUMP, AP-014, VACUUM UNITS SUMP, AIR-POWERED	D494				
PUMP, AP-214, HOT OIL EXCHANGERS SUMP, AIR-POWERED	D470				
PUMP, AP-306, SUMP, AIR-POWERED	D471				
PUMP, P-309, SUMP, 3 HP	D472				
PUMP, P-310, SUMP, 10 HP	D473				
PUMP, P-311, SUMP, 15 HP	D474				
PUMP, P-312, SUMP, 7.5 HP	D475				
PUMP, AP-313, SUMP, AIR-POWERED	D476				
PUMP, P-314, SUMP, 5 HP	D477				
PUMP, AP-315, SUMP, AIR-POWERED	D478				
PUMP, AP-316, SUMP, AIR-POWERED	D479				

- \* (1) (1A) (1B) Denotes RECLAIM emission factor
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 5: OIL/WATER SEPARATION</b>					
PUMP, LIST OF SUMP PUMPS, CONTINUED WITH A/N: 447670	B518				
PUMP, P-318, SUMP, 15 HP	D480				
PUMP, AP-319, SUMP, AIR-POWERED	D481				
PUMP, P-320, SUMP, 5 HP	D482				
PUMP, AP-321, SUMP, AIR-POWERED	D483				
PUMP, AP-324, SUMP, AIR-POWERED	D484				
PUMP, AP-327, SUMP, AIR-POWERED	D485				
PUMP, AP-328, SUMP, AIR-POWERED	D486				
PUMP, AP-329, SUMP, AIR-POWERED	D487				
PUMP, AP-330, SUMP, AIR-POWERED	D488				
PUMP, AP-331, SUMP, AIR-POWERED	D489				
PUMP, AP-413, SUMP, AIR-POWERED	D490				

- \* (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
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## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 5: OIL/WATER SEPARATION</b>					
PUMP, LIST OF SUMP PUMPS, CONTINUED WITH A/N: 447670	B519				
PUMP, P-912, SUMP, 7.5 HP	D491				
PUMP, P-923, SUMP, 7.5 HP	D492				
PUMP, AP-925, SUMP, AIR-POWERED	D493				
PUMP, P-538, SUMP, 3 HP	D504				
PUMP, P-XX, SUMP, 5 HP, WALKWAY WEST OF VACUUM UNIT #1	D523				
PUMP, AP-XXX, SUMP, LOADING RACK #8, AIR-POWERED	D535				
PUMP, P-XX, SUMP, 5 HP, A-SERIES TANKS	D536				
PUMP, AP-322, SUMP, TANK 55001, AIR-POWERED	D537				
PUMP, AP-XXX, SUMP, VAC UNITS, AIR-POWERED, 2 TOTAL	D538				
PUMP, AP-XXX, SUMP, EG UNIT AREA BY SINK, AIR-POWERED	D541				
PUMP, AP-XXX, SUMP, EG UNIT AREA BY D-908, AIR-POWERED	D542				

\* (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 DEMENNO/KERDOON

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 5: OIL/WATER SEPARATION</b>					
PUMP, P-XX, SUMP, 7.5 HP, BOILER	D543				

- \* (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
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## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 5: OIL/WATER SEPARATION</b>					
PUMP, LIST OF AIR-POWERED PUMPS WITH A/N: 447670	B495				
PUMP, AP-301, WASHOUT BOX, AIR-POWERED	D496				
PUMP, AP-302, CIRCULATION/STORAGE, AIR-POWERED	D497				
PUMP, AP-502, TRANSFER, AIR-POWERED	D498				
PUMP, AP-503, SKIM, AIR-POWERED	D499				
PUMP, AP-506, TRANSFER, AIR-POWERED	D500				
PUMP, AP-507A/B, EAST/WEST FLOC TANK, 2 TOTAL, AIR-POWERED	D501				
PUMP, AP-523, CIRCULATION, AIR-POWERED	D502				
PUMP, AP-524, 1107 WELL WATER DRAIN, AIR-POWERED	D503				
PUMP, AP-709, SEAL POT DRAIN, AIR-POWERED	D505				
PUMP, AP-710, TANK 180 DRAIN, AIR-POWERED	D506				

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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 DEMENNO/KERDOON

### 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: OIL/WATER SEPARATION</b>					
PUMP, LIST OF AIR-POWERED PUMPS, CONTINUED WITH A/N: 447670	B549				
PUMP, AP-005, TANK 1107 DRAIN, AIR-POWERED	D526				
PUMP, AP-018, TANK 55001 SKIM, AIR-POWERED	D527				
PUMP, AP-022, KO-501 DRAIN, AIR-POWERED	D528				
PUMP, AP-XXX, TANK 151/181 TRANSFER, AIR-POWERED	D532				
PUMP, AP-XXX, TANK 661/1108 TRANSFER, AIR-POWERED	D533				
PUMP, AP-XXX, KO-400/401 DRAIN, AIR-POWERED	D534				
PUMP, AP-XXX, D-355/D-356 DRAIN, AIR-POWERED	D539				
PUMP, AP-XXX, COLLECTION CONTAINER DRAIN, AIR-POWERED	D540				
PUMP, AP-XXX, MISCELLANEOUS, AIR-POWERED, 5 TOTAL	D544				
<b>System 2: SLUDGE DEWATERING</b>					S1.2

- \* (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
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 5: OIL/WATER SEPARATION</b>					
UNLOADING STATION, TRUCK WASHOUT, LOCATED INSIDE THE TRUCK WASHOUT ENCLOSURE, WITH A 10 HP CONVEYOR, WIDTH: 8 FT ; HEIGHT: 7 FT ; LENGTH: 28 FT A/N: 447671	D52	D322			H23.2
TANK, HOLDING, V-701, WASTE WATER, 500 BBL A/N: 447671	D60	D322			
CENTRIFUGE, SHARPLES, MODEL P-4600 SUPER-D-CANTER, 75 HP ELECTRIC MOTOR WITH A/N: 447671  ENCLOSURE, CENTRIFUGE UNIT, WIDTH: 11 FT ; HEIGHT: 17 FT ; LENGTH: 21 FT	D64	D322			H23.2
HOPPER, PORTABLE, UP TO 4 CUBIC YARD CAPACITY EACH, COVERED, 10 TOTAL A/N: 447671	D418				H23.2
BIN, ROLLOFF, UP TO 40 CUBIC YARD CAPACITY EACH, COVERED, 10 TOTAL A/N: 447671	D524				
<b>System 3: STORAGE SILO</b>					

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5) (5A) (5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
(2) (2A) (2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
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## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 5: OIL/WATER SEPARATION</b>					
STORAGE SILO, 1400 CU FT CAPACITY, FLY ASH, CEMENT KILN DUST, WITH A SEALED 10" DISCHARGE AUGER AND A 10 HP ELECTRIC MOTOR, HEIGHT: 37 FT ; DIAMETER: 8 FT 6 IN WITH A/N: 514875	D329			PM: (9) {RULE 404, 2-7-1986; RULE 405, 2-7-1986}	C1.6, D323.1, E184.1, H23.12, K67.18
FILTER, VENT, 150 SQ FT TOTAL FILTER AREA, WITH 18 FILTER BAGS, EACH, LENGTH: 4 FT ; DIAMETER: 8 IN	C330				
<b>Process 6: STORAGE TANKS</b>					
<b>System 1: FIXED ROOF STORAGE TANKS : SOUTHWEST TANK FARM</b>					S15.4
STORAGE TANK, FIXED ROOF, NO.1001, USED OIL, 1000 BBL; DIAMETER: 14 FT ; HEIGHT: 37 FT A/N: 493144	D71				B22.6, C1.1, E336.4, H23.6, H23.7, K67.4
STORAGE TANK, FIXED ROOF, NO.1002, USED OIL, 1000 BBL; DIAMETER: 14 FT ; HEIGHT: 37 FT A/N: 493145	D73				B22.6, C1.1, E336.4, H23.6, H23.7, K67.4
STORAGE TANK, FIXED ROOF, NO.1003, USED OIL, 1000 BBL; DIAMETER: 14 FT ; HEIGHT: 37 FT A/N: 493146	D74				B22.6, C1.1, E336.4, H23.6, H23.7, K67.4
STORAGE TANK, FIXED ROOF, NO.1004, USED OIL, 1000 BBL; DIAMETER: 14 FT ; HEIGHT: 37 FT A/N: 493147	D80				B22.6, C1.1, E336.4, H23.6, H23.7, 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

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



## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

### 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 6: STORAGE TANKS</b>					
STORAGE TANK, FIXED ROOF, NO.1005, USED OIL, 1000 BBL; DIAMETER: 14 FT ; HEIGHT: 37 FT A/N: 493148	D81				B22.6, C1.1, E336.4, H23.6, H23.7, K67.4
STORAGE TANK, FIXED ROOF, NO. 1006, USED OIL, 1000 BBL; DIAMETER: 14 FT ; HEIGHT: 37 FT A/N: 493149	D82				B22.6, C1.1, E336.4, H23.6, H23.7, K67.4
STORAGE TANK, FIXED ROOF, NO. 1007, USED OIL, 1000 BBL; DIAMETER: 14 FT ; HEIGHT: 37 FT A/N: 493150	D83				B22.6, C1.1, E336.4, H23.6, H23.7, K67.4
STORAGE TANK, FIXED ROOF, NO. 1008, USED OIL, 1000 BBL; DIAMETER: 14 FT ; HEIGHT: 37 FT A/N: 493151	D84				B22.6, C1.1, E336.4, H23.6, H23.7, K67.4
STORAGE TANK, FIXED ROOF, NO. 2003, USED OIL, 2500 BBL; DIAMETER: 30 FT 6 IN; HEIGHT: 20 FT A/N: 493152	D88				B22.6, C1.8, E336.4, H23.6, H23.7, H23.13, K67.4
STORAGE TANK, FIXED ROOF, NO. 520, MARINE DIESEL OIL, 514 BBL; DIAMETER: 12 FT ; HEIGHT: 27 FT A/N: 512755	D225				B22.10, C1.2, E336.4, K67.4
STORAGE TANK, FIXED ROOF, NO. 521, MARINE DIESEL OIL, 514 BBL; DIAMETER: 12 FT ; HEIGHT: 27 FT A/N: 512756	D224				B22.10, C1.2, E336.4, K67.4
STORAGE TANK, FIXED ROOF, NO. 522, MARINE DIESEL OIL, 514 BBL; DIAMETER: 12 FT ; HEIGHT: 27 FT A/N: 512757	D223				B22.10, C1.2, E336.4, K67.4

- |   |   |
|---|---|
| <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 DEMENNO/KERDOON

### 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 6: STORAGE TANKS</b>					
STORAGE TANK, FIXED ROOF, NO. 523, MARINE DIESEL OIL, 514 BBL; DIAMETER: 12 FT ; HEIGHT: 27 FT A/N: 512758	D222				B22.10, C1.2, E336.4, K67.4
STORAGE TANK, FIXED ROOF, NO. 524, MARINE DIESEL OIL, 514 BBL; DIAMETER: 12 FT ; HEIGHT: 27 FT A/N: 512759	D221				B22.10, C1.2, E336.4, K67.4
STORAGE TANK, FIXED ROOF, NO. 525, MARINE DIESEL OIL, 514 BBL; DIAMETER: 12 FT ; HEIGHT: 27 FT A/N: 512760	D220				B22.10, C1.2, E336.4, K67.4
STORAGE TANK, FIXED ROOF, NO. 526, WASTEWATER, USED OIL, 514 BBL; DIAMETER: 12 FT ; HEIGHT: 27 FT A/N: 512761	D219				B22.6, B22.7, C1.1, C1.3, E336.4, K67.4
STORAGE TANK, FIXED ROOF, NO. 527, WASTEWATER, USED OIL, 514 BBL; DIAMETER: 12 FT ; HEIGHT: 27 FT A/N: 512762	D218				B22.6, B22.7, C1.1, C1.3, E336.4, K67.4
STORAGE TANK, FIXED ROOF, NO. 528, WASTEWATER, USED OIL, 514 BBL; DIAMETER: 12 FT ; HEIGHT: 27 FT A/N: 512763	D217				B22.6, B22.7, C1.1, C1.3, E336.4, K67.4
STORAGE TANK, FIXED ROOF, NO. 529, WASTEWATER, USED OIL, 514 BBL; DIAMETER: 12 FT ; HEIGHT: 27 FT A/N: 512764	D216				B22.6, B22.7, C1.1, C1.3, E336.4, 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 DEMENNO/KERDOON

### 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 6: STORAGE TANKS</b>					
STORAGE TANK, FIXED ROOF, NO. 530, WASTEWATER, USED OIL, 514 BBL; DIAMETER: 12 FT ; HEIGHT: 27 FT A/N: 512765	D215				B22.6, B22.7, C1.1, C1.3, E336.4, K67.4
STORAGE TANK, FIXED ROOF, NO. 531, WASTEWATER, USED OIL, 514 BBL; DIAMETER: 12 FT ; HEIGHT: 27 FT A/N: 512766	D214				B22.6, B22.7, C1.1, C1.3, E336.4, K67.4
STORAGE TANK, FIXED ROOF, NO. 532, WASTEWATER, USED OIL, 514 BBL; DIAMETER: 12 FT ; HEIGHT: 27 FT A/N: 512767	D213				B22.6, B22.7, C1.1, C1.3, E336.4, K67.4
STORAGE TANK, FIXED ROOF, NO. 533, WASTEWATER, USED OIL, 514 BBL; DIAMETER: 12 FT ; HEIGHT: 27 FT A/N: 512768	D212				B22.6, B22.7, C1.1, C1.3, E336.4, K67.4
STORAGE TANK, FIXED ROOF, NO. 534, WASTEWATER, USED OIL, 514 BBL; DIAMETER: 12 FT ; HEIGHT: 27 FT A/N: 512769	D211				B22.6, B22.7, C1.1, C1.3, E336.4, K67.4
STORAGE TANK, FIXED ROOF, NO. 535, WASTEWATER, USED OIL, 514 BBL; DIAMETER: 12 FT ; HEIGHT: 27 FT A/N: 512770	D210				B22.6, B22.7, C1.1, C1.3, E336.4, K67.4
<b>System 2: FIXED ROOF STORAGE TANKS : WASTEWATER TANKS</b>					S15.4

- \* (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 DEMENNO/KERDOON

### 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 6: STORAGE TANKS</b>					
STORAGE TANK, FIXED ROOF, NO. 151, WASTEWATER, 6670 GALS; DIAMETER: 8 FT ; HEIGHT: 19 FT A/N: 512567	D209				B22.7, C1.3, E336.4, K67.4
STORAGE TANK, FIXED ROOF, NO.181, WASTEWATER, 8398 GALS; DIAMETER: 8 FT 3 IN; HEIGHT: 22 FT A/N: 493889	D92				B22.7, C1.3, E336.4, K67.4
STORAGE TANK, FIXED ROOF, NO.1009, WASTEWATER, USED OIL, 42657 GALS; DIAMETER: 22 FT ; HEIGHT: 16 FT 4 IN A/N: C35633	D67				B22.6, B22.7, C1.1, C1.3, E336.4, K67.4
STORAGE TANK, FIXED ROOF, NO. 1107, WASTEWATER, USED OIL, 43479 GALS; DIAMETER: 20 FT ; HEIGHT: 19 FT 9 IN A/N: 493883	D85				B22.6, B22.7, C1.1, C1.3, E336.4, H23.6, H23.7, K67.4
STORAGE TANK, FIXED ROOF, NO. 1109, WASTEWATER, USED OIL, 43879 GALS; DIAMETER: 20 FT ; HEIGHT: 19 FT 8 IN A/N: 493887	D87				B22.6, B22.7, C1.1, C1.3, E336.4, H23.6, H23.7, K67.4
STORAGE TANK, FIXED ROOF, NO.2001, WASTEWATER, 2500 BBL; DIAMETER: 30 FT 6 IN; HEIGHT: 20 FT A/N: 493143	D68				B22.7, C1.3, E336.4, H23.6, H23.7, H23.13, K67.4
STORAGE TANK, FIXED ROOF, NO.2002, WASTEWATER, 2500 BBL.; DIAMETER: 30 FT 6 IN; HEIGHT: 20 FT A/N: 493142	D66				B22.7, C1.3, E336.4, H23.6, H23.7, H23.13, 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 DEMENNO/KERDOON

### 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 6: STORAGE TANKS</b>					
STORAGE TANK, FIXED ROOF, NO.8001, WASTEWATER, 336000 GALS; DIAMETER: 52 FT ; HEIGHT: 23 FT A/N: 512566	D93				B22.7, C1.3, E336.4, H23.6, H23.7, H23.13, K67.4
STORAGE TANK, FIXED ROOF, NO.9001, WASTEWATER, USED OIL, 378000 GALS; DIAMETER: 48 FT ; HEIGHT: 28 FT A/N: 493890	D94				B22.6, B22.7, C1.1, C1.3, E336.4, H23.6, H23.7, H23.13, K67.4
STORAGE TANK, FIXED ROOF, NO.9002, WASTEWATER, USED OIL, 378000 GALS; DIAMETER: 48 FT ; HEIGHT: 28 FT A/N: 493891	D95				B22.6, B22.7, C1.1, C1.3, E336.4, H23.6, H23.7, H23.13, K67.4
STORAGE TANK, FIXED ROOF, NO.55001, WASTEWATER, 58000 BBL; DIAMETER: 93 FT ; HEIGHT: 48 FT A/N: 493880	D79				B22.7, C1.3, E336.4, H23.6, H23.7, H23.13, K67.4
<b>System 4: FIXED ROOF STORAGE TANKS : RCRA FUEL &amp; NAPHTHA TANKS</b>					
STORAGE TANK, FIXED ROOF, NO.501, NAPHTHA, 22144 GALS; DIAMETER: 15 FT ; HEIGHT: 17 FT 10 IN A/N: C33640	D72				B22.8, C1.10, E336.5, H23.6, H23.7, H23.13, K67.4
STORAGE TANK, FIXED ROOF, NO.502, NAPHTHA, 22144 GALS; DIAMETER: 15 FT ; HEIGHT: 17 FT 10 IN A/N: C33639	D70				B22.8, C1.10, E336.5, H23.6, H23.7, H23.13, 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 DEMENNO/KERDOON

### 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 6: STORAGE TANKS</b>					
STORAGE TANK, FIXED ROOF, NO. 503, NAPHTHA, 22144 GALS; DIAMETER: 15 FT ; HEIGHT: 17 FT 10 IN A/N: 493867	D89				B22.8, C1.10, E336.5, H23.6, H23.7, H23.13, K67.4
STORAGE TANK, FIXED ROOF, NO. 504, NAPHTHA, 22144 GALS; DIAMETER: 15 FT ; HEIGHT: 17 FT 10 IN A/N: 493874	D65				B22.8, C1.10, E336.5, H23.6, H23.7, H23.13, K67.4
STORAGE TANK, FIXED ROOF, NO.505, NAPHTHA, 22144 GALS; DIAMETER: 15 FT ; HEIGHT: 17 FT 10 IN A/N: 493877	D90				B22.8, C1.10, E336.5, H23.6, H23.7, H23.13, K67.4
STORAGE TANK, FIXED ROOF, NO.515, RCRA FUEL, 21000 GALS; DIAMETER: 16 FT ; HEIGHT: 14 FT 6 IN WITH A/N: C34790	D69				B22.11, C1.9, E336.5, H23.6, H23.7, H23.13, K67.4
PUMP, AP-XXX, TANK 515/516 TRANSFER, AIR-POWERED	D546				
PUMP, AP-XXX, TANK 515 CIRCULATION, AIR-POWERED	D547				
STORAGE TANK, FIXED ROOF, NO.516, RCRA FUEL, 21000 GALS; DIAMETER: 16 FT ; HEIGHT: 14 FT 6 IN WITH A/N: 213214	D91				B22.11, C1.9, E336.5, H23.6, H23.7, H23.13, K67.4
PUMP, AP-XXX, TANK 516 CIRCULATION, AIR-POWERED	D548				

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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 DEMENNO/KERDOON

### 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 6: STORAGE TANKS</b>					
<b>System 5: FIXED ROOF STORAGE TANKS : PRODUCT TANKS</b>					S15.3
STORAGE TANK, FIXED ROOF, NO.506, MARINE DIESEL OIL, 21000 GALS; DIAMETER: 12 FT ; HEIGHT: 25 FT 8 IN A/N: 512137	D77				B22.10, C1.2, E336.1, K67.4
STORAGE TANK, FIXED ROOF, NO.507, MARINE DIESEL OIL, 21000 GALS; DIAMETER: 12 FT ; HEIGHT: 25 FT 8 IN A/N: 512138	D78				B22.10, C1.2, E336.1, K67.4
STORAGE TANK, FIXED ROOF, NO.1101, ASPHALT FLUX, 48152 GALS; DIAMETER: 21 FT ; HEIGHT: 19 FT 7 IN A/N: 213226	D104				B22.3, C1.7, C6.2, E336.1, K67.4
STORAGE TANK, FIXED ROOF, NO.1102, ASPHALT FLUX, 48152 GALS; DIAMETER: 21 FT ; HEIGHT: 19 FT 7 IN A/N: 213227	D105				B22.3, C1.7, C6.2, E336.1, K67.4
STORAGE TANK, FIXED ROOF, NO.1103, MARINE DIESEL OIL, 48152 GALS; DIAMETER: 21 FT ; HEIGHT: 19 FT 7 IN A/N: 493894	D106				B22.10, C1.2, E336.1, H23.6, H23.7, K67.4
STORAGE TANK, FIXED ROOF, NO.1104, MARINE DIESEL OIL, 48152 GALS; DIAMETER: 21 FT ; HEIGHT: 19 FT 7 IN A/N: 493900	D103				B22.10, C1.2, E336.1, H23.6, H23.7, 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 DEMENNO/KERDOON

### 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 6: STORAGE TANKS</b>					
STORAGE TANK, FIXED ROOF, NO.1105, MARINE DIESEL OIL, 48152 GALS; DIAMETER: 21 FT ; HEIGHT: 19 FT 7 IN A/N: 512139	D75				B22.10, C1.2, E336.1, H23.6, H23.7, K67.4
STORAGE TANK, FIXED ROOF, NO.1106, MARINE DIESEL OIL, 48152 GALS; DIAMETER: 21 FT ; HEIGHT: 19 FT 7 IN A/N: 512140	D76				B22.10, C1.2, E336.1, H23.6, H23.7, K67.4
<b>System 6: FIXED ROOF STORAGE TANKS : A-SERIES TANKS</b>					S15.3
STORAGE TANK, FIXED ROOF, NO. A-1, ASPHALT FLUX, 44654 GALS; DIAMETER: 20 FT ; HEIGHT: 19 FT 11 IN A/N: 511871	D309				B22.3, C1.5, C6.1, E336.1, K67.4
STORAGE TANK, FIXED ROOF, NO. A-2, WITH A STEAM HEATING COIL, USED GLYCOL, 44654 GALS; DIAMETER: 20 FT ; HEIGHT: 19 FT 11 IN A/N: 493901	D107				B22.5, C1.11, C6.3, E336.1, H23.6, H23.7, K67.4
STORAGE TANK, FIXED ROOF, NO.A-3, USED GLYCOL, 44654 GALS; DIAMETER: 20 FT ; HEIGHT: 19 FT 11 IN A/N: 493902	D109				B22.5, C1.11, E336.1, H23.6, H23.7, K67.4
STORAGE TANK, FIXED ROOF, NO.A-4, USED GLYCOL, 44654 GALS; DIAMETER: 20 FT ; HEIGHT: 19 FT 11 IN A/N: 493903	D112				B22.5, C1.11, E336.1, H23.6, H23.7, 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.)
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## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

### 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 6: STORAGE TANKS</b>					
STORAGE TANK, FIXED ROOF, NO.A-5, USED GLYCOL, 44654 GALS; DIAMETER: 20 FT ; HEIGHT: 19 FT 11 IN A/N: 493905	D111				B22.5, C1.11, E336.1, H23.6, H23.7, K67.4
STORAGE TANK, FIXED ROOF, NO.A-6, USED GLYCOL, 44654 GALS; DIAMETER: 20 FT ; HEIGHT: 19 FT 11 IN A/N: 493906	D108				B22.5, C1.11, E336.1, H23.6, H23.7, K67.4
STORAGE TANK, FIXED ROOF, NO. A-7, HEATED, USED GLYCOL, 44654 GALS; DIAMETER: 20 FT ; HEIGHT: 19 FT 11 IN WITH A/N: 493907	D113				B22.5, C1.11, C6.4, E336.1, H23.6, H23.7, K67.4
PUMP, CIRCULATION, P-933, 25 HP	D341				
HEAT EXCHANGER, EXTERNAL STEAM HEAT, SHELL AND TUBE	D340				
PUMP, TANK A-7 TRANSFER, P-921, 15 HP	D342				

\* (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 DEMENNO/KERDOON

### 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 6: STORAGE TANKS</b>					
STORAGE TANK, FIXED ROOF, NO.A-8, USED OIL, USED GLYCOL, 44654 GALS; DIAMETER: 20 FT ; HEIGHT: 19 FT 11 IN WITH A/N: 493908	D110				B22.5, C1.11, C6.4, E336.1, H23.6, H23.7, K67.4
PUMP, AP-020, TANK A-8 TRANSFER, AIR-POWERED	D529				
PUMP, AP-XXX, TANK A-8 DRAIN, AIR-POWERED	D530				
<b>System 7: FIXED ROOF STORAGE TANKS : N-SERIES TANKS</b>					S15.3
STORAGE TANK, FIXED ROOF, NO. N-3, ASPHALT FLUX, 44654 GALS; DIAMETER: 20 FT ; HEIGHT: 19 FT 11 IN A/N: 512983	D99				B22.3, C1.5, C6.1, E336.1, K67.4
STORAGE TANK, FIXED ROOF, NO. N-4, ASPHALT FLUX, 44654 GALS; DIAMETER: 20 FT ; HEIGHT: 19 FT 11 IN A/N: 513071	D100				B22.3, C1.5, C6.1, E336.1, K67.4
STORAGE TANK, FIXED ROOF, NO. 1110, ASPHALT FLUX, 44654 GALS; DIAMETER: 20 FT ; HEIGHT: 19 FT 11 IN A/N: 513070	D101				B22.3, C1.5, C6.1, E336.1, K67.4
<b>Process 7: LOADING AND UNLOADING RACKS</b>					
<b>System 1: USED OIL UNLOADING</b>					S1.4
UNLOADING ARM, BOTTOM, TANK TRUCK, USED OIL, 6 TOTAL A/N: 512564	D231				B22.6, 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.)  
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## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

### 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 7: LOADING AND UNLOADING RACKS</b>					
PUMP, TRANSFER, P-100A, P-100B, P-101A, P-101B, P-102A, P-102B, 25 HP EACH, 6 TOTAL A/N: 512564	D232				
<b>System 2: WASTEWATER UNLOADING</b>					
UNLOADING ARM, BOTTOM, TANK TRUCK, WASTEWATER, 12 TOTAL A/N: 494201	D242				S1.5 B22.7, K67.4
VAPOR RETURN LINE, 4 TOTAL CONNECTIONS A/N: 494201	D243	D24			
TANK, BLOWDOWN BLADDER, WASTEWATER, HEIGHT: 20 FT ; DIAMETER: 16 FT A/N: 494201	D24	C34 C35 D243			
CARBON ADSORBER, TWO IN SERIES, 150 LBS EACH A/N: 494201	C34	D24		VOC: 500 PPMV (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]	D90.3, E128.1, E153.1, K67.22
CARBON ADSORBER, TWO IN SERIES, 150 LBS EACH A/N: 494201	C35	D24		VOC: 500 PPMV (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]	D90.3, E128.1, E153.1, K67.22
<b>System 3: USED GLYCOL UNLOADING</b>					
UNLOADING ARM, BOTTOM, TANK TRUCK, USED GLYCOL, 3 TOTAL A/N: 512562	D336				B22.5, K67.4
PUMP, TRANSFER, P-927, 25 HP A/N: 512562	D337				
<b>System 4: FUEL OIL CUTTER LOADING</b>					
					S1.7, S15.9

- \* (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 DEMENNO/KERDOON

### 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 7: LOADING AND UNLOADING RACKS</b>					
LOADING ARM, BOTTOM, TANK TRUCK, FUEL OIL CUTTER, 2 TOTAL A/N: 494199	D229				B22.9, E336.3, K67.4
PUMP, NORTH FUEL OIL SHIPPING, P-001A, 25 HP A/N: 494199	D230				
PUMP, SOUTH FUEL OIL SHIPPING, P-001B, 30 HP A/N: 494199	D310				
<b>System 5: NAPHTHA LOADING</b>					
LOADING ARM, BOTTOM, TANK TRUCK, NAPHTHA A/N: 512559	D227			VOC: 0.08 LBS/1000 GAL ORGANIC LIQUID (5) [RULE 462, 5-14-1999]	B22.8, E336.3, K67.4
PUMP, SEAL-LESS, NAPHTHA SHIPPING, P-606, 15 HP A/N: 512559	D228				
<b>System 6: MARINE DIESEL OIL LOADING</b>					
LOADING ARM, BOTTOM, TANK TRUCK, MARINE DIESEL OIL, 4 TOTAL A/N: 512561	D338				B22.10, E336.3, K67.4
PUMP, MDO SHIPPING, 15 HP A/N: 512561	D339				
PUMP, P-XX3, SWTF : MDO SHIPPING, 25 HP A/N: 512561	D507				
<b>System 7: ASPHALT FLUX LOADING - RACK NO. 4</b>					
LOADING ARM, BOTTOM, TANK TRUCK, ASPHALT FLUX, 2 TOTAL A/N: 511874	D20				B22.3, E336.3, 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 DEMENNO/KERDOON

### 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 7: LOADING AND UNLOADING RACKS</b>					
PUMP, FLUX SHIPPING, P-103, 25 HP A/N: 511874	D21				
<b>System 8: ASPHALT FLUX LOADING - RACK NO. 7</b>					S1.1, S15.8
LOADING ARM, TANK TRUCK, TOP AND BOTTOM, ASPHALT FLUX A/N: 511876	D16				B22.3, E336.2, K67.4
PUMP, EAST FLUX TOP LOADING, P-006, 10 HP A/N: 511876	D10				
PUMP, FLUX LOADING, P-007, 25 HP A/N: 511876	D19				
<b>System 9: RCRA FUEL LOADING AND UNLOADING</b>					S1.9, S1.10, S13.3, S15.9
LOADING ARM, BOTTOM, TANK TRUCK, RCRA FUEL A/N: 512560	D233			VOC: 0.08 LBS/1000 GAL ORGANIC LIQUID (5) [RULE 462, 5-14-1999]	B22.11, E336.3, K67.4
PUMP, RCRA FUEL SHIPPING, AP-XXX, AIR-POWERED A/N: 512560	D352			VOC: 0.08 LBS/1000 GAL ORGANIC LIQUID (5) [RULE 462, 5-14-1999]	
UNLOADING ARM, BOTTOM, TANK TRUCK, RCRA FUEL A/N: 512560	D235				B22.11, K67.4
PUMP, RCRA FUEL RECEIVING, P-008, 25 HP A/N: 512560	D234				
<b>System 10: USED GLYCOL LOADING</b>					S1.13, S15.8
LOADING ARM, BOTTOM, TANK TRUCK, USED GLYCOL A/N: 519868	D552				B22.5, E336.2, K67.4
PUMP, AP-XXX, USED GLYCOL SHIPPING, AIR-POWERED A/N: 519868	D553				

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 (5) (5A) (5B) Denotes command and control emission limit  
 (7) Denotes NSR applicability limit  
 (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate  
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**FACILITY PERMIT TO OPERATE  
DEMENNO/KERDOON**

**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: STEAM GENERATION</b>					
BOILER, NATURAL GAS, CLEAVER BROOKS, MODEL CB700-800-200 FIRETUBE TYPE, WITH LOW NOX BURNER, FLUE GAS RECIRCULATION, 33.472 MMBTU/HR WITH A/N: 395526  BURNER, NATURAL GAS, TODD, MODEL DRMB, ONE BURNER, WITH LOW NOX BURNER, 33.472 MMBTU/HR	D116		NOX: LARGE SOURCE**	CO: 400 PPMV (5) [RULE 1146, 11-17-2000; RULE 1146, 9-5-2008]; CO: 2000 PPMV (5A) [RULE 407, 4-2-1982]; NOX: 9 PPMV NATURAL GAS (4) [RULE 2005, 10-15-1993]; NOX: 9 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	D12.9, D328.1, H23.9, K67.12
BOILER, NATURAL GAS, KEWANEE, MODEL H33-1000, WITH LOW NOX BURNER, FLUE GAS RECIRCULATION, 39.5 MMBTU/HR WITH A/N: 307640  BURNER, NATURAL GAS, TODD, MODEL DRMB, ONE BURNER, WITH LOW NOX BURNER, 39.5 MMBTU/HR	D191		NOX: LARGE SOURCE**	CO: 400 PPMV (5) [RULE 1146, 11-17-2000; RULE 1146, 9-5-2008]; CO: 2000 PPMV (5A) [RULE 407, 4-2-1982]; NOX: 9 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; NOX: 9 PPMV NATURAL GAS (4) [RULE 2005, 10-15-1993]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	D12.9, D328.1, H23.9, K67.12
<b>Process 9: AIR POLLUTION CONTROL</b>					
<b>System 1: VAPOR RECOVERY SYSTEM - NORTH TANK FARMS</b>					S15.2, S18.6

- \* (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.)
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## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

### 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 9: AIR POLLUTION CONTROL</b>					
CARBON ADSORBER, 150 LBS A/N: 493605	C311			VOC: 500 PPMV (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]	D90.5, D90.7, E128.1, E153.1, K67.10
KNOCK OUT POT, KO-200, HEIGHT: 6 FT 7 IN; DIAMETER: 2 FT 6 IN A/N: 493605	D131				
CARBON ADSORBER, 150 LBS A/N: 493605	C312			VOC: 500 PPMV (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]	D90.5, D90.7, E128.1, E153.1, K67.10
KNOCK OUT POT, KO-201, HEIGHT: 7 FT ; DIAMETER: 3 FT 5 IN A/N: 493605	D129				
KNOCK OUT POT, KO-202, HEIGHT: 6 FT 8 IN; DIAMETER: 2 FT A/N: 493605	D130				
POT, SEAL, SP-200, HEIGHT: 5 FT 10 IN; DIAMETER: 2 FT A/N: 493605	D193				
BLOWER, VACUUM, BL-702, 5 HP A/N: 493605	D195	C142 C281			D90.6, K67.11
<b>System 2: VAPOR RECOVERY SYSTEM - SOUTH TANK FARMS</b>					S15.2, S18.4
CARBON ADSORBER, 150 LBS A/N: 462573	C303			VOC: 500 PPMV (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]	D90.5, D90.7, E128.1, E153.1, K67.10
KNOCK OUT POT, KO-500, HEIGHT: 5 FT ; DIAMETER: 2 FT A/N: 462573	D134				
KNOCK OUT POT, KO-505, HEIGHT: 6 FT ; DIAMETER: 2 FT A/N: 462573	D283				

- \* (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  
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 9: AIR POLLUTION CONTROL</b>					
CARBON ADSORBER, TWO IN SERIES, EACH 150 LBS A/N: 462573	C313			VOC: 500 PPMV (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]	D90.5, D90.7, E128.1, E153.1, K67.10
KNOCK OUT POT, KO-506, HEIGHT: 6 FT ; DIAMETER: 2 FT A/N: 462573	D286				
CARBON ADSORBER, 150 LBS A/N: 462573	C304			VOC: 500 PPMV (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]	D90.5, D90.7, E128.1, E153.1, K67.10
KNOCK OUT POT, KO-501, HEIGHT: 6 FT ; DIAMETER: 2 FT A/N: 462573	D135				
KNOCK OUT POT, KO-502, HEIGHT: 13 FT 4 IN; DIAMETER: 9 FT 4 IN A/N: 462573	D136	D36 D37 D38 D468			
KNOCK OUT POT, KO-503, HEIGHT: 6 FT 6 IN; DIAMETER: 2 FT A/N: 462573	D291				
KNOCK OUT POT, KO-504, HEIGHT: 3 FT 6 IN; DIAMETER: 3 FT 5 IN A/N: 462573	D292				
BLOWER, VACUUM, BL-701B, 15 HP A/N: 462573	D196	C142 C281			D90.6, K67.11
BLOWER, VACUUM, BL-701A, 15 HP A/N: 462573	D284	C142 C281			D90.6, K67.11
<b>System 3: CAUSTIC SCRUBBER - PROCESS WASTE GAS</b>					
KNOCK OUT POT, KO-703, HEIGHT: 7 FT 4 IN; DIAMETER: 1 FT 10 IN A/N: 514876	D295	D128			S15.2, S18.2

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- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
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- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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<b>Process 9: AIR POLLUTION CONTROL</b>					
KNOCK OUT POT, KO-700, HEIGHT: 7 FT 4 IN; DIAMETER: 2 FT A/N: 514876	D294	D128			
PUMP, KO POT DRAIN, P-708, 5 HP A/N: 514876	D250				
SCRUBBER, D-601, HEIGHT: 29 FT ; DIAMETER: 2 FT A/N: 514876	C137				C8.1, C8.8, K67.19
SCRUBBER, D-602, SPARE, HEIGHT: 29 FT ; DIAMETER: 2 FT A/N: 514876	C138				C8.1, C8.8, K67.19
DRUM, CAUSTIC, D-606, LENGTH: 16 FT ; DIAMETER: 8 FT A/N: 514876	D248				
PUMP, NORTH CAUSTIC CIRCULATION, P-704A, 5 HP A/N: 514876	D251				
PUMP, MIDDLE CAUSTIC CIRCULATION, P-704B, 3 HP A/N: 514876	D282				
PUMP, SOUTH CAUSTIC CIRCULATION, P-704C, 5 HP A/N: 514876	D325				
DRUM, WASH WATER, D-607, LENGTH: 11 FT ; DIAMETER: 3 FT 6 IN A/N: 514876	D249				
PUMP, SOUTH HOT WATER WASH FOR SCRUBBER, P-705, 5 HP A/N: 514876	D252				
KNOCK OUT POT, KO-701, HEIGHT: 13 FT ; DIAMETER: 3 FT A/N: 514876	D290				

- \* (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  
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## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

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<b>Process 9: AIR POLLUTION CONTROL</b>					
PUMP, KO TANK DRAIN, P-706, 5 HP A/N: 514876	D253				
KNOCK OUT POT, KO-702, HEIGHT: 13 FT ; DIAMETER: 4 FT 2 IN A/N: 514876	D141	C281			
PUMP, KO-702 DRAIN, P-711, 5 HP A/N: 514876	D254				
KNOCK OUT POT, KO-704, HEIGHT: 5 FT 6 IN; DIAMETER: 2 FT 2 IN A/N: 514876	D241	C142			
KNOCK OUT POT, KO-705, HEIGHT: 6 FT 6 IN; DIAMETER: 3 FT A/N: 514876	D226	C142			
<b>System 4: CAUSTIC SCRUBBER SERVING ASPHALT BLOWING STILL</b>					S15.2, S18.1
SCRUBBER, HEIGHT: 38 FT ; DIAMETER: 3 FT 6 IN A/N: 215402	C139	D117 D118 D119 D120 C142 C281			C8.2, C8.8, K67.19
BLOWER, CENTRIFUGAL, 10HP A/N: 215402	D143				
<b>System 5: VAPOR RECOVERY SYSTEM - RCRA FUEL &amp; NAPHTHA TANKS</b>					S15.2, S18.5
CARBON ADSORBER, TWO IN SERIES, EACH 150 LBS A/N: 493606	C308			VOC: 500 PPMV (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]	D90.5, D90.7, E128.1, E153.1, K67.10
KNOCK OUT POT, KO-300, HEIGHT: 7 FT ; DIAMETER: 3 FT 5 IN A/N: 493606	D306				
KNOCK OUT POT, KO-301, HEIGHT: 6 FT ; DIAMETER: 2 FT A/N: 493606	D293				

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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 DEMENNO/KERDOON

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 9: AIR POLLUTION CONTROL</b>					
POT, SEAL, SP-300, HEIGHT: 6 FT ; DIAMETER: 2 FT A/N: 493606	D307				
BLOWER, VACUUM, BL-705, 5 HP A/N: 493606	D140	C142 C281			D90.6, K67.11
<b>System 7: AFTERBURNER</b>					
AFTERBURNER, NATURAL GAS, PROCESS GAS, 8.2 MMBTU/HR A/N:	C142	C139 D140 D195 D196 D197 D198 D226 D241 D284 D287 D288 D289 D324	NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]; SO2: 500 PPMV AT 15 MINS. (5) [RULE 407, 4-2-1982]	C4.1, C8.5, D12.5, D28.1, D323.1
<b>System 8: VAPOR RECOVERY SYSTEM - WASTEWATER TREATMENT</b>					
KNOCK OUT POT, KO-600, HEIGHT: 6 FT ; DIAMETER: 2 FT A/N: 462575	D205	D25 D26 D27 D28 D30 D32 D33 D86 D96 D190 D451			
KNOCK OUT POT, KO-601, HEIGHT: 6 FT ; DIAMETER: 2 FT A/N: 462575	D285				
KNOCK OUT POT, KO-602, HEIGHT: 5 FT 4 IN; DIAMETER: 2 FT A/N: 462575	D194	D23			
KNOCK OUT POT, KO-603, HEIGHT: 3 FT 6 IN; DIAMETER: 3 FT 5 IN A/N: 462575	D206				
BLOWER, VACUUM, BL-703A, 15 HP A/N: 462575	D197	C142 C281			D90.6, K67.11

- |  |   |
|--|---|
| * (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 DEMENNO/KERDOON

### 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: AIR POLLUTION CONTROL</b>					
BLOWER, VACUUM, BL-703B, 15 HP A/N: 462575	D287	C142 C281			D90.6, K67.11
<b>System 9: VAPOR RECOVERY SYSTEM - FRONT LOADING RACKS</b>					
VAPOR RETURN LINE, 6 TOTAL A/N: 525368	C17	D315			
VAPOR RETURN LINE, 5 TOTAL A/N: 525368	C22	D314			
KNOCK OUT POT, KO-100, HEIGHT: 3 FT 4 IN; DIAMETER: 1 FT 6 IN A/N: 525368	D315	C17			
KNOCK OUT POT, KO-101, HEIGHT: 3 FT 4 IN; DIAMETER: 1 FT 6 IN A/N: 525368	D314	C22			
KNOCK OUT POT, KO-102, HEIGHT: 6 FT 8 IN; DIAMETER: 2 FT A/N: 525368	D207				
POT, SEAL, SP-100, HEIGHT: 6 FT ; DIAMETER: 2 FT A/N: 525368	D208				
BLOWER, VACUUM, BL-704, 7.5 HP A/N: 525368	D198	C142 C281			D90.6, K67.11
<b>System 10: VAPOR RECOVERY SYSTEM - VACUUM TRUCK WASHOUT</b>					
ENCLOSURE, TRUCK WASHOUT STATION, WIDTH: 30 FT ; HEIGHT: 15 FT ; LENGTH: 50 FT WITH A/N: 422151	D274	C276			D12.4, E193.2, K67.7
BLOWER, BL-709, 30 HP, 3100 CU.FT./MIN	D277				

- \* (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 DEMENNO/KERDOON

### 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: AIR POLLUTION CONTROL</b>					
CARBON ADSORBER, TWO CANISTERS, CONNECTED IN SERIES, 1000 LBS EACH A/N: 422151	C276	D274		VOC: 20 PPMV (4) [RULE 1303(a)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]	D12.4, D90.4, E153.2, K67.22
<b>System 11: VAPOR RECOVERY SYSTEM - ASPHALT FLUX LOADING RACK NO. 7</b>					
VAPOR RETURN LINE A/N: 519869	C18	D318			S15.2, S18.3
KNOCK OUT POT, KO-400, HEIGHT: 12 FT ; DIAMETER: 3 FT A/N: 519869	D318	C18			
KNOCK OUT POT, KO-401, HEIGHT: 10 FT ; DIAMETER: 3 FT A/N: 519869	D317				
POT, SEAL, SP-400, HEIGHT: 6 FT ; DIAMETER: 2 FT A/N: 519869	D316				
BLOWER, VACUUM, BL-707, 10 HP A/N: 519869	D288	C142 C281			D90.6, K67.11
<b>System 12: VAPOR RECOVERY SYSTEM - SLUDGE DEWATERING</b>					
KNOCK OUT POT, KO-800, HEIGHT: 4 FT ; DIAMETER: 2 FT A/N: 493611	D323	D29			
KNOCK OUT POT, KO-801, HEIGHT: 13 FT ; DIAMETER: 2 FT A/N: 493611	D322	D52 D60 D64			
KNOCK OUT POT, KO-802, HEIGHT: 4 FT ; DIAMETER: 3 FT A/N: 493611	D321				
KNOCK OUT POT, KO-803, HEIGHT: 4 FT ; DIAMETER: 3 FT A/N: 493611	D320				

- \* (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 DEMENNO/KERDOON

### 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: AIR POLLUTION CONTROL</b>					
POT, SEAL, SP-800, HEIGHT: 6 FT ; DIAMETER: 2 FT A/N: 493611	D319				
BLOWER, VACUUM, BL-706, 7.5 HP A/N: 493611	D289	C142 C281			D90.6, K67.11
BLOWER, AUXILIARY AIR, BL-708, 20 HP A/N: 493611	D324	C142 C281			
<b>Process 10: INTERNAL COMBUSTION ENGINE</b>					
<b>System 1: FIRE PUMP</b>					
INTERNAL COMBUSTION ENGINE, FIRE PUMP, DIESEL FUEL, JOHN DEERE, MODEL NO. JU6H-UFAD98, TURBOCHARGED & AFTERCOOLED, 315 BHP. A/N: 494498	D298		NOX: PROCESS UNIT**	CO: 2.6 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1) -BACT, 5-10-1996; RULE 1303(a) (1)-BACT, 12-6-2002]; NOX: 469 LBS/1000 GAL DIESEL (1) [RULE 2012, 5-6-2005]; NOX + ROG: 3 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1) -BACT, 5-10-1996; RULE 1303(a) (1)-BACT, 12-6-2002]; PM: (9) [RULE 404, 2-7-1986]; PM10: 0.15 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1) -BACT, 12-6-2002]	B61.1, C1.4, D12.8, H23.10, I296.1, K67.8
<b>Process 11: MISCELLANEOUS</b>					
<b>System 1: ASPHALT BLOWING</b>					
STILL, ASPHALT, HEIGHT: 50 FT ; DIAMETER: 12 FT A/N: 215400	D117	C139		PM: (9) [RULE 405, 2-7-1986]; PM: 1.2 LBS/TON CHARGED MATERIAL (8) [40CFR 60 Subpart UU, 8-5-1983]	S1.11, S13.1, S15.7  D323.1, H116.1

- \* (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 DEMENNO/KERDOON

### 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: MISCELLANEOUS</b>					
STILL, ASPHALT, SPARE, HEIGHT: 50 FT ; DIAMETER: 12 FT A/N: 215400	D118	C139		PM: (9) [RULE 405, 2-7-1986]; PM: 1.2 LBS/TON CHARGED MATERIAL (8) [40CFR 60 Subpart UU, 8-5-1983]	D323.1, H116.1
DRUM, QUENCH, HEIGHT: 22 FT ; DIAMETER: 7 FT 6 IN A/N: 215400	D119	C139			D323.1
POT, QUENCH SEAL, HEIGHT: 6 FT ; DIAMETER: 6 FT A/N: 215400	D120	C139			D323.1
<b>System 2: CONTAINER CRUSHING</b>					
ENCLOSURE, CAN & DRUM CRUSHING STATION, WIDTH: 17 FT ; HEIGHT: 10 FT 6 IN; LENGTH: 10 FT 8 IN WITH A/N: 512563  CRUSHER, CANS & PAILS UP TO 6 GALLON  CRUSHER, DRUMS UP TO 55 GALLON	D331	D334			
BLOWER, EXHAUST, BL-XX, 0.5 HP A/N: 512563	D334	D331 C335			
CARBON ADSORBER, 150 LBS A/N: 512563	C335	D334		VOC: 500 PPMV (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]	D90.10, E128.1, E153.3, K67.22
<b>System 3: PORTABLE ODOR CONTROL</b>					
BLOWER, VACUUM, 1000 CU.FT./MIN A/N: 467018	D550	C551			S42.1

- \* (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 DEMENNO/KERDOON

### 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 11: MISCELLANEOUS</b>					
CARBON ADSORBER, TWO CANISTERS, CONNECTED IN SERIES, 2000 LBS EACH A/N: 467018	C551	D550		VOC: 500 PPMV (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]	D90.11, E128.1, E153.4, K67.21
<b>Process 12: R-219 Exempt Equipment Subject to Source Specific Rules</b>					
<b>System 1: Miscellaneous</b>					
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS	E261			ROG: (9) [RULE 1113, 11-8-1996; RULE 1113, 7-13-2007; RULE 1171, 11-7-2003; RULE 1171, 5-1-2009]	K67.1
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, LOW USE OR EMISSIONS	E262			VOC: (9) [RULE 1107, 11-9-2001; RULE 1107, 1-6-2006; RULE 1171, 11-7-2003; RULE 1171, 5-1-2009]	
RULE 219 EXEMPT EQUIPMENT, CLEANING EQUIPMENT, SMALL, UNHEATED, NON-CONVEYORIZED	E264			VOC: (9) [RULE 1171, 11-7-2003; RULE 1171, 5-1-2009]	H23.4
RULE 219 EXEMPT EQUIPMENT, EQUIPMENT USED FOR THE STORAGE OF UNHEATED ORGANIC MATERIALS	E328				H23.6
RULE 219 EXEMPT EQUIPMENT, EQUIPMENT USED FOR THE TRANSFER OF UNHEATED ORGANIC MATERIALS	E343				H23.14

\* (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.



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**FACILITY PERMIT TO OPERATE  
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**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 DEMENNO/KERDOON

### SECTION D: DEVICE ID INDEX

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D7	14	3	1
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D11	15	3	1
D12	15	3	1
D13	15	3	1
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C17	57	9	9
C18	58	9	11
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D32	25	5	1
D33	25	5	1
C34	48	7	2
C35	48	7	2
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D48	28	5	1
D49	28	5	1
D51	27	5	1
D52	36	5	2
D60	36	5	2
D64	36	5	2
D65	43	6	4
D66	41	6	2
D67	41	6	2
D68	41	6	2
D69	43	6	4
D70	42	6	4
D71	37	6	1
D72	42	6	4
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D74	37	6	1
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D76	45	6	5
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D78	44	6	5
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D82	38	6	1
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D85	41	6	2
D86	23	5	1
D87	41	6	2
D88	38	6	1
D89	43	6	4



**FACILITY PERMIT TO OPERATE  
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**SECTION D: DEVICE ID INDEX**

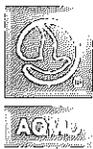
Device Index For Section D			
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D91	43	6	4
D92	41	6	2
D93	42	6	2
D94	42	6	2
D95	42	6	2
D96	24	5	1
D99	47	6	7
D100	47	6	7
D101	47	6	7
D102	10	1	3
D103	44	6	5
D104	44	6	5
D105	44	6	5
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D107	45	6	6
D108	46	6	6
D109	45	6	6
D110	47	6	6
D111	46	6	6
D112	45	6	6
D113	46	6	6
D116	51	8	0
D117	59	11	1
D118	60	11	1
D119	60	11	1
D120	60	11	1
D121	19	4	1
D122	19	4	1
D123	19	4	1
D124	19	4	1
D125	2	1	1
D126	2	1	1
D127	3	1	1
D128	4	1	1



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**SECTION D: DEVICE ID INDEX**

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D130	52	9	1
D131	52	9	1
D132	1	1	1
D133	2	1	1
D134	52	9	2
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D136	53	9	2
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C138	54	9	3
C139	55	9	4
D140	56	9	5
D141	55	9	3
C142	56	9	7
D143	55	9	4
D173	10	1	3
D176	10	1	3
D178	3	1	1
D179	9	1	3
D180	9	1	3
D181	9	1	3
D182	9	1	3
D183	9	1	3
D184	9	1	3
D185	8	1	3
D186	8	1	3
D188	8	1	3
D190	25	5	1
D191	51	8	0
D193	52	9	1
D194	56	9	8
D195	52	9	1
D196	53	9	2
D197	56	9	8
D198	57	9	9



## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

### SECTION D: DEVICE ID INDEX

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D207	57	9	9
D208	57	9	9
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D224	38	6	1
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D226	55	9	3
D227	49	7	5
D228	49	7	5
D229	49	7	4
D230	49	7	4
D231	47	7	1
D232	48	7	1
D233	50	7	9
D234	50	7	9
D235	50	7	9
D236	5	1	2
D237	2	1	1



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### SECTION D: DEVICE ID INDEX

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D239	7	1	2
D240	6	1	2
D241	55	9	3
D242	48	7	2
D243	48	7	2
D247	2	1	1
D248	54	9	3
D249	54	9	3
D250	54	9	3
D251	54	9	3
D252	54	9	3
D253	55	9	3
D254	55	9	3
D255	4	1	1
D256	4	1	1
D257	4	1	1
D258	4	1	1
D259	4	1	1
D260	4	1	1
E261	61	12	1
E262	61	12	1
D263	2	1	1
E264	61	12	1
D265	2	1	1
D266	3	1	1
D267	3	1	1
D270	11	1	4
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C276	58	9	10
D277	57	9	10
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D283	52	9	2
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**FACILITY PERMIT TO OPERATE  
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**SECTION D: DEVICE ID INDEX**

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D289	59	9	12
D290	54	9	3
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D292	53	9	2
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D294	54	9	3
D295	53	9	3
D298	59	10	1
D299	8	1	3
C303	52	9	2
C304	53	9	2
D305	3	1	1
D306	55	9	5
D307	56	9	5
C308	55	9	5
D309	45	6	6
D310	49	7	4
C311	52	9	1
C312	52	9	1
C313	53	9	2
D314	57	9	9
D315	57	9	9
D316	58	9	11
D317	58	9	11
D318	58	9	11
D319	59	9	12
D320	58	9	12
D321	58	9	12
D322	58	9	12
D323	58	9	12
D324	59	9	12



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**SECTION D: DEVICE ID INDEX**

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D329	37	5	3
C330	37	5	3
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D334	60	11	2
C335	60	11	2
D336	48	7	3
D337	48	7	3
D338	49	7	6
D339	49	7	6
D340	46	6	6
D341	46	6	6
D342	46	6	6
E343	61	12	1
D344	13	2	1
D345	13	2	1
D346	13	2	1
D347	13	2	1
D348	13	2	1
D349	13	2	1
D350	13	2	1
D351	3	1	1
D352	50	7	9
D353	6	1	2
D354	5	1	2
D355	5	1	2
D356	5	1	2
D357	6	1	2
D358	6	1	2
D359	6	1	2
D360	7	1	2
D361	7	1	2



## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

### SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D362	7	1	2
D363	5	1	2
D364	5	1	2
D365	8	1	3
D366	8	1	3
D367	9	1	3
D368	9	1	3
D369	10	1	3
D370	10	1	3
D371	10	1	3
D372	10	1	3
D373	10	1	3
D374	13	3	1
D375	14	3	1
D376	14	3	1
D377	14	3	1
D378	14	3	1
D379	15	3	1
D380	15	3	1
D381	15	3	1
D382	16	3	1
D383	16	4	1
D384	16	4	1
D385	16	4	1
D386	16	4	1
D387	17	4	1
D388	17	4	1
D389	17	4	1
D390	17	4	1
D391	17	4	1
D392	17	4	1
D393	17	4	1
D394	18	4	1
D395	18	4	1
D396	18	4	1



## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

### SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D397	18	4	1
D398	18	4	1
D399	18	4	1
D400	19	4	1
D401	19	4	1
D402	19	4	1
D403	20	4	1
D404	19	4	1
D405	19	4	1
D406	20	4	1
D407	20	4	1
D408	20	4	1
D409	20	4	1
D410	20	4	1
D411	20	4	1
D412	20	4	1
D413	20	4	1
D414	21	4	1
D415	21	4	1
D416	21	4	1
D417	21	4	1
D418	36	5	2
D420	21	4	1
D421	17	4	1
D422	14	3	1
D423	4	1	1
D424	8	1	3
D425	10	1	3
D426	1	1	1
D427	1	1	1
D428	1	1	1
D429	1	1	1
D430	1	1	1
D431	1	1	1
D432	23	5	1



## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

### SECTION D: DEVICE ID INDEX

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Device ID	Section D Page No.	Process	System
D433	23	5	1
D434	23	5	1
D435	22	5	1
D436	22	5	1
D437	22	5	1
D438	22	5	1
D439	22	5	1
D440	22	5	1
D441	22	5	1
D442	22	5	1
D443	23	5	1
D444	23	5	1
D446	24	5	1
D447	24	5	1
D448	24	5	1
D449	24	5	1
D450	25	5	1
D451	25	5	1
D452	25	5	1
D453	25	5	1
D454	25	5	1
D455	26	5	1
D456	26	5	1
D457	26	5	1
D458	27	5	1
D459	27	5	1
D460	27	5	1
D461	27	5	1
D462	28	5	1
D463	28	5	1
D464	28	5	1
D465	28	5	1
D466	29	5	1
D467	29	5	1
D468	29	5	1



## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

### SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
B469	30	5	1
D470	30	5	1
D471	30	5	1
D472	30	5	1
D473	30	5	1
D474	30	5	1
D475	30	5	1
D476	30	5	1
D477	30	5	1
D478	30	5	1
D479	30	5	1
D480	31	5	1
D481	31	5	1
D482	31	5	1
D483	31	5	1
D484	31	5	1
D485	31	5	1
D486	31	5	1
D487	31	5	1
D488	31	5	1
D489	31	5	1
D490	31	5	1
D491	33	5	1
D492	33	5	1
D493	33	5	1
D494	30	5	1
B495	34	5	1
D496	34	5	1
D497	34	5	1
D498	34	5	1
D499	34	5	1
D500	34	5	1
D501	34	5	1
D502	34	5	1
D503	34	5	1



## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

### SECTION D: DEVICE ID INDEX

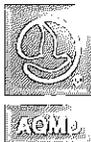
Device Index For Section D			
Device ID	Section D Page No.	Process	System
D504	33	5	1
D505	34	5	1
D506	34	5	1
D507	49	7	6
D508	5	1	1
D509	5	1	1
D510	7	1	2
D511	29	5	1
D512	21	4	1
D513	21	4	1
D514	21	4	1
D515	21	4	1
D516	22	4	1
D517	22	4	1
B518	31	5	1
B519	33	5	1
D520	7	1	2
D521	9	1	3
D522	27	5	1
D523	33	5	1
D524	36	5	2
D525	3	1	1
D526	35	5	1
D527	35	5	1
D528	35	5	1
D529	47	6	6
D530	47	6	6
D531	14	3	1
D532	35	5	1
D533	35	5	1
D534	35	5	1
D535	33	5	1
D536	33	5	1
D537	33	5	1
D538	33	5	1



**FACILITY PERMIT TO OPERATE  
DEMENNO/KERDOON**

**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>
D539	35	5	1
D540	35	5	1
D541	33	5	1
D542	33	5	1
D543	33	5	1
D544	35	5	1
D545	21	4	1
D546	43	6	4
D547	43	6	4
D548	43	6	4
B549	35	5	1
D550	60	11	3
C551	61	11	3
D552	50	7	10
D553	50	7	10



## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

### 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
VOC	Less than 2550 LBS IN ANY ONE MONTH

The facility afterburners stacks and facility fugitive components shall comply with the above Volatile Organic Compounds (VOC) emission limit.

To ensure compliance with the monthly Volatile Organic Compounds (VOC) emission limit of this condition, the operator shall comply with the following recordkeeping requirements:

- (1) Within 14 calendar days after the end of each month, the operator shall total and record VOC emissions for the month from afterburners and fugitive components.
- (2) The operator shall retain the VOC emissions records for at least 5 years.

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

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.



## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

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

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

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

- F14.1 The operator shall not use liquid fuel containing sulfur compounds in excess of 500 ppm by weight.

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

- F14.2 The operator shall not purchase any diesel fuel, for stationary source application as defined in Rule 431.2, containing sulfur compounds in excess of 15 ppm by weight as supplied by the supplier.

**[RULE 431.2, 5-4-1990; 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):

Records of the monthly (and quarterly where applicable) inspection, and subsequent repair and reinspection, of VOC fugitive components subject to District Rule 1173

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

- F48.2 The operator shall not operate at this facility any combustion devices burning gaseous fuels (except natural gas) unless total sulfur compounds emissions from the facility are less than 5 pounds per day (calculated as H<sub>2</sub>S).

This condition shall no longer apply once this facility has demonstrated to the satisfaction of the District that the operation of all combustion devices at this facility will comply with all applicable requirements of Rule 431.1.

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



## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

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

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

F48.3 The operator shall not operate at this facility any device used to produce gasoline, kerosene, distillate fuel oils, residual fuel oils, lubricants, or other products through distillation of petroleum or through redistillation, cracking or reforming of unfinished petroleum derivatives.

For the purpose of this condition, petroleum shall be defined as the crude oil removed from the earth and the oils derived from tar sands, shale, and coal.

The operator shall submit to the Executive Officer, as a part of an annual compliance certification, a statement that certifies compliance with this condition.

**[RULE 204, 10-8-1993]**

F48.4 The operator shall not operate at this facility any device used to treat, store, or dispose of benzene-containing hazardous waste from any chemical manufacturing plant, coke by-product recovery plant, or petroleum refinery.

The operator shall submit to the Executive Officer, as a part of an annual compliance certification, a statement that certifies compliance with this condition.

A copy of each manifest, or the manifest data stored in a manifest database, for benzene-containing hazardous waste received at this facility shall be kept and maintained for at least five years, and shall be made available to the Executive Officer or his authorized representative upon request

**[RULE 204, 10-8-1993]**

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

40 CFR 60 Subpart A

40 CFR 61 Subpart A

40 CFR 63 Subpart A



## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

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

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

[40CFR 60 Subpart A, 5-16-2007; 40CFR 61 Subpart A, 5-16-2007; 40CFR 63 Subpart A, 5-16-2007]

#### SYSTEM CONDITIONS

- S1.1 The operator shall limit the loading rate to no more than 6,132,000 gallon(s) in any one calendar month.

This limit shall be based on the total combined throughput of Asphalt Flux Loading Rack No. 4 (Process 7, System 7) and Asphalt Flux Loading Rack No. 7 (Process 7, System 8).

The operator shall monitor the throughput of materials loaded, in gallons, by using certified truck scale records to determine the pounds of material loaded, and a measurement of the specific gravity or API gravity of the material loaded.

[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]

[Systems subject to this condition : Process 7, System 7, 8]

- S1.2 The operator shall limit the material processed to no more than 4,320,000 gallon(s) in any one calendar month.



## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

### 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, material processed shall be defined as the total amount of sludge or any other hydrocarbon containing material processed in this system before dewatering.

To comply with this condition, the operator shall install and maintain a non-resettable totalizing flow meter to accurately indicate the total volume of volume of sludge processed in this system before dewatering.

The operator shall determine and record the volume of sludge processed once every calendar month.

The operator shall calibrate the flow meter per the manufacturer's specifications.

**[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]**

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

- S1.3 The operator shall limit the unloading rate to no more than 1,520,833 gallon(s) in any one calendar month.

The operator shall monitor the throughput of materials unloaded, in gallons, by using certified truck scale records to determine the pounds of material unloaded, and a measurement of the specific gravity or API gravity of the material unloaded.

**[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]**

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

- S1.4 The operator shall limit the unloading rate to no more than 6,387,500 gallon(s) in any one calendar month.



## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

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

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

The operator shall monitor the throughput of materials unloaded, in gallons, by using certified truck scale records to determine the pounds of material unloaded, and a measurement of the specific gravity or API gravity of the material unloaded.

**[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]**

[Systems subject to this condition : Process 7, System 1]

- S1.5 The operator shall limit the unloading rate to no more than 3,832,500 gallon(s) in any one calendar month.

The operator shall monitor the throughput of materials unloaded, in gallons, by using certified truck scale records to determine the pounds of material unloaded, and a measurement of the specific gravity or API gravity of the material unloaded.

**[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]**

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

- S1.6 The operator shall limit the loading rate to no more than 243,334 gallon(s) in any one calendar month.

For the purpose of this condition, the loading rate shall be defined as the loading rate of Naphtha.

The operator shall monitor the throughput of materials loaded, in gallons, by using certified truck scale records to determine the pounds of material loaded, and a measurement of the specific gravity or API gravity of the material loaded.

**[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]**



## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

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

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

[Systems subject to this condition : Process 7, System 5]

- S1.7 The operator shall limit the loading rate to no more than 3,193,750 gallon(s) in any one calendar month.

The operator shall monitor the throughput of materials loaded, in gallons, by using certified truck scale records to determine the pounds of material loaded, and a measurement of the specific gravity or API gravity of the material loaded.

[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]

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

- S1.8 The operator shall limit the loading rate to no more than 6,083,333 gallon(s) in any one calendar month.

The operator shall monitor the throughput of materials loaded, in gallons, by using certified truck scale records to determine the pounds of material loaded, and a measurement of the specific gravity or API gravity of the material loaded.

[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]

[Systems subject to this condition : Process 7, System 6]

- S1.9 The operator shall limit the loading rate to no more than 100,000 gallon(s) in any one calendar month.

For the purpose of this condition, the loading rate shall be defined as the loading rate of RCRA Fuel.

The operator shall monitor the throughput of materials loaded, in gallons, by using certified truck scale records to determine the pounds of material loaded, and a measurement of the specific gravity or API gravity of the material loaded.



## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

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

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

**[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]**

[Systems subject to this condition : Process 7, System 9]

S1.10 The operator shall limit the unloading rate to no more than 100,000 gallon(s) in any one calendar month.

The operator shall monitor the throughput of materials unloaded, in gallons, by using certified truck scale records to determine the pounds of material unloaded, and a measurement of the specific gravity or API gravity of the material unloaded.

**[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]**

[Systems subject to this condition : Process 7, System 9]

S1.11 The operator shall limit the material processed to no more than 9,060 ton(s) in any one calendar month.

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

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Systems subject to this condition : Process 11, System 1]

S1.12 The operator shall limit the throughput to no more than 8,500,000 gallon(s) in any one calendar month.



## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

### 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 volume of wastewater, in gallons, discharged to the LACSD sewer connection (D468).

To comply with this condition, the operator shall install and maintain a non-resettable totalizing flow meter to accurately indicate the total volume of wastewater discharged to the LACSD sewer connection (D468).

The operator shall determine and record the volume of wastewater discharged to the LACSD sewer connection once every calendar month.

The operator shall calibrate the flow meter per the manufacturer's specifications.

**[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]**

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

S1.13 The operator shall limit the loading rate to no more than 25,000 gallon(s) in any one calendar month.

The operator shall monitor the throughput of materials loaded, in gallons, by using certified truck scale records to determine the pounds of material loaded, and a measurement of the specific gravity or API gravity of the material loaded.

**[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]**

[Systems subject to this condition : Process 7, System 10]

S13.1 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
PM	40CFR60, SUBPART	UU



## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

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

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

PM | 40CFR63, SUBPART | AAAAAAA

**[40CFR 60 Subpart UU, 8-5-1983; 40CFR 63 Subpart AAAAAAA, 12-2-2009]**

[Systems subject to this condition : Process 11, System 1]

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	462

**[RULE 462, 5-14-1999]**

[Systems subject to this condition : Process 7, System 5 , 9; Process 9, System 9]

S15.1 The vent gases from all affected devices of this process/system shall be vented as follows:

All vent gases from any process vent of this system shall be vented to the caustic scrubber(s) (Process 9, System 3).

This process/system shall not be operated unless the above scrubber(s) are in full use and have 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; Process 2, System 1; Process 3, System 1; Process 4, System 1]

S15.2 The vent gases from all affected devices of this process/system shall be vented as follows:



## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

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

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

All vent gases from this system shall be vented to the Afterburners (Process 9, Systems 7 & 13).

This process/system shall not be operated unless at least one of the afterburners 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 9, System 1 , 2 , 3 , 4 , 5 , 8 , 9 , 11 , 12]

**S15.3 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 vented to the Vapor Recovery System - North Tank Farms (Process 9, System 1).

This process/system shall not be operated unless the above vapor recovery 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 6, System 5 , 6 , 7]

**S15.4 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 vented to the Vapor Recovery System - South Tank Farms (Process 9, System 2).

This process/system shall not be operated unless the above vapor recovery system is in full use and has a valid permit to receive vent gases from this system.



## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

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

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

**[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 6, System 1 , 2]

S15.5 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 vented to the Vapor Recovery System - RCRA Fuel & Naphtha Tanks (Process 9, System 5).

This process/system shall not be operated unless the above vapor recovery 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 6, System 4]

S15.6 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 vented to the Vapor Recovery System - Wastewater Treatment (Process 9, System 8).

This process/system shall not be operated unless the above vapor recovery 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 5, System 1]



## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

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

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

S15.7 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 vented to the Caustic Scrubber Serving Asphalt Blowing Stills (Process 9, System 4).

This process/system shall not be operated unless the above caustic scrubber 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 11, System 1]

S15.8 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 vented to the Vapor Recovery System - Asphalt Flux Loading Rack No. 7 (Process 9, System 11).

This process/system shall not be operated unless the above vapor recovery 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 7, System 8 , 10]

S15.9 The vent gases from all affected devices of this process/system shall be vented as follows:



## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

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

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

All vent gases under normal operating conditions shall be vented to the Vapor Recovery System - Front Loading Racks (Process 9, System 9).

This process/system shall not be operated unless the above vapor recovery 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 7, System 4 , 5 , 6 , 7 , 9]

- 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:

Asphalt Blowing (Process: 11, System: 1)

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

[Systems subject to this condition : Process 9, System 4]

- S18.2 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 DEMENNO/KERDOON

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

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

Used Oil Dehydration (Process: 1, System: 1)

Vacuum Distillation Unit No. 1 (Process: 1, System: 2)

Vacuum Distillation Unit No. 2 (Process: 1, System: 3)

PRM Stripper (Process: 2, System: 1)

Naphtha Splitter Unit (Process: 3, System: 1)

Ethylene Glycol Distillation (Process: 4, System: 1)

Waste Water Treatment (Process: 5, System: 1)

**[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 9, System 3]

S18.3 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:

Asphalt Flux Loading - Rack No. 7 (Process: 7, System: 8)

Used Glycol Loading (Process: 7, System: 10)

**[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 9, System 11]



## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

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

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

S18.4 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:

Fixed Roof Storage Tanks : Southwest Tank Farm (Process: 6, System: 1)

Fixed Roof Storage Tanks - Wastewater Tanks (Process: 6, System: 2)

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

[Systems subject to this condition : Process 9, System 2]

S18.5 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:

Fixed Roof Storage Tanks : RCRA Fuel & Naphtha Tanks (Process: 6, System: 4)

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

[Systems subject to this condition : Process 9, System 5]

S18.6 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:

Fixed Roof Storage Tanks : Product Tanks (Process: 6, System: 5)

Fixed Roof Storage Tanks : A-Series Tanks (Process: 6, System: 6)

Fixed Roof Storage Tanks : N-Series Tanks (Process: 6, System: 7)



## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

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

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

**[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 9, System 1]

S18.7 All affected devices listed under this process/system shall be used only to receive, recover and/or dispose of vent gases routed from the system(s) or process(es) listed below, in addition to specific devices identified in the "connected to" column:

Wastewater Treatment (Process: 5, System: 1)

**[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 9, System 8]

S18.8 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:

Fuel Oil Cutter Loading (Process: 7, System: 4)

Naphtha Loading (Process: 7, System: 5)

Marine Diesel Oil Loading (Process: 7, System: 6)

Asphalt Flux Loading - Rack No. 4 (Process: 7, System: 7)

RCRA Fuel Loading and Unloading (Process: 7, System: 9)

**[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 DEMENNO/KERDOON

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

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

[Systems subject to this condition : Process 9, System 9]

S18.9 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:

Sludge Dewatering (Process: 5, System: 2)

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

[Systems subject to this condition : Process 9, System 12]

S42.1 The operator shall not use this system for Rule 1149 compliance:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1149

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

[Systems subject to this condition : Process 11, System 3]

### DEVICE CONDITIONS

#### B. Material/Fuel Type Limits

B22.3 The operator shall only use this equipment with materials having a(n) true vapor pressure of 0.05 psia or less under actual operating conditions.



## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

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

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

The operator shall sample the asphalt flux, from any of the devices subject to this condition, at least once each calendar year, and test each sample for true vapor pressure (TVP) using SCAQMD-approved methods.

The operator shall maintain on file a copy of the Material Safety Data Sheet (MSDS) for the asphalt flux.

For compliance with this condition, the average of the TVP measurements for each calendar year shall be not greater than 0.05 psia.

**[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 : D16, D20, D99, D100, D101, D104, D105, D309]

B22.5 The operator shall only use this equipment with materials having a(n) Reid vapor pressure of 1.00 psia or less under actual operating conditions.

The operator shall sample the used glycol, from any of the devices subject to this condition, at least twice each calendar month, and test each sample for Reid vapor pressure (RVP) using SCAQMD-approved methods.

For compliance with this condition, the average of the RVP measurements for each calendar month shall be not greater than 1.00 psia.

**[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 : D107, D108, D109, D110, D111, D112, D113, D336, D552]

B22.6 The operator shall only use this equipment with materials having a(n) Reid vapor pressure of 1.00 psia or less under actual operating conditions.



## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

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

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

The operator shall sample the used oil, from any of the devices subject to this condition, at least twice each calendar month, and test each sample for Reid vapor pressure (RVP) using SCAQMD-approved methods.

For compliance with this condition, the average of the RVP measurements for each calendar month shall be not greater than 1.00 psia.

**[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 : D67, D71, D73, D74, D80, D81, D82, D83, D84, D85, D87, D88, D94, D95, D210, D211, D212, D213, D214, D215, D216, D217, D218, D219, D231]

**B22.7** The operator shall only use this equipment with materials having a(n) Reid vapor pressure of 1.00 psia or less under actual operating conditions.

The operator shall sample the wastewater, from any of the devices subject to this condition, at least twice each calendar month, and test each sample for Reid vapor pressure (RVP) using SCAQMD-approved methods.

For compliance with this condition, the average of the RVP measurements for each calendar month shall be not greater than 1.00 psia.

**[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 : D66, D67, D68, D79, D85, D87, D92, D93, D94, D95, D209, D210, D211, D212, D213, D214, D215, D216, D217, D218, D219, D242]

**B22.8** The operator shall only use this equipment with materials having a(n) Reid vapor pressure of 6.00 psia or less under actual operating conditions.



## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

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

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

The operator shall sample the naphtha, from any of the devices subject to this condition, at least twice each calendar month, and test each sample for Reid vapor pressure (RVP) using SCAQMD-approved methods.

For compliance with this condition, the average of the RVP measurements for each calendar month shall be not greater than 6.00 psia.

**[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 : D65, D70, D72, D89, D90, D227]

**B22.9** The operator shall only use this equipment with materials having a(n) Reid vapor pressure of 1.00 psia or less under actual operating conditions.

The operator shall sample the fuel oil cutter, from any of the devices subject to this condition, at least twice each calendar month, and test each sample for Reid vapor pressure (RVP) using SCAQMD-approved methods.

For compliance with this condition, the average of the RVP measurements for each calendar month shall be not greater than 1.00 psia.

**[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 : D229]

**B22.10** The operator shall only use this equipment with materials having a(n) Reid vapor pressure of 1.20 psia or less under actual operating conditions.



## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

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

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

The operator shall sample the marine diesel oil, from any of the devices subject to this condition, at least twice each calendar month, and test each sample for Reid vapor pressure (RVP) using SCAQMD-approved methods.

For compliance with this condition, the average of the RVP measurements for each calendar month shall be not greater than 1.20 psia.

**[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 : D75, D76, D77, D78, D103, D106, D220, D221, D222, D223, D224, D225, D338]

B22.11 The operator shall only use this equipment with materials having a(n) Reid vapor pressure of 6.00 psia or less under actual operating conditions.

The operator shall sample the RCRA fuel, from any of the devices subject to this condition, at least twice each calendar month, and test each sample for Reid vapor pressure (RVP) using SCAQMD-approved methods.

For compliance with this condition, the average of the RVP measurements for each calendar month shall be not greater than 6.00 psia.

**[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 : D69, D91, D233, D235]

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

Compound	ppm by weight
Sulfur less than or equal to	15



## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

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

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

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1470, 6-1-2007]

[Devices subject to this condition : D298]

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

C1.1 The operator shall limit the throughput to no more than 6,387,500 gallon(s) in any one calendar month.

This limit shall be based on the total combined throughput of used oil for equipment D71 (Tank 1001), D73 (Tank 1002), D74 (Tank 1003), D80 (Tank 1004), D81 (Tank 1005), D82 (Tank 1006), D83 (Tank 1007), D84 (Tank 1008), D67 (Tank 1009), D85 (Tank 1107), D87 (Tank 1109), D94 (Tank 9001), D95 (Tank 9002), D219 (Tank 526), D218 (Tank 527), D217 (Tank 528), D216 (Tank 529), D215 (Tank 530), D214 (Tank 531), D213 (Tank 532), D212 (Tank 533), D211 (Tank 534), and D210 (Tank 535).

For compliance with this condition, the operator shall monitor the throughput of materials unloaded at the Used Oil Unloading (Process 7, System 1).

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

[Devices subject to this condition : D67, D71, D73, D74, D80, D81, D82, D83, D84, D85, D87, D94, D95, D210, D211, D212, D213, D214, D215, D216, D217, D218, D219]

C1.2 The operator shall limit the throughput to no more than 6,083,333 gallon(s) in any one calendar month.



## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

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

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

This limit shall be based on the total combined throughput of marine diesel oil for equipment D75 (Tank 1105), D76 (Tank 1106), D77 (Tank 506), D78 (Tank 507), D103 (Tank 1104), D106 (Tank 1103), D220 (Tank 525), D221 (Tank 524), D222 (Tank 523), D223 (Tank 522), D224 (Tank 521) and D225 (Tank 520)..

For compliance with this condition, the operator shall monitor the throughput of materials loaded at the Marine Diesel Loading (Process 7, System 6).

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

[Devices subject to this condition : D75, D76, D77, D78, D103, D106, D220, D221, D222, D223, D224, D225]

- C1.3 The operator shall limit the throughput to no more than 3,832,500 gallon(s) in any one calendar month.

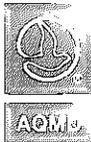
This limit shall be based on the total combined throughput of wastewater for equipment D66 (Tank 2002), D67 (Tank 1009), D68 (Tank 2001), D79 (Tank 55001), D85 (Tank 1107), D87 (Tank 1109), D92 (Tank 181), D93 (Tank 8001), D94 (Tank 9001), D95 (Tank 9002), D209 (Tank 151), D210 (Tank 535), D211 (Tank 534), D212 (Tank 533), D213 (Tank 532), D214 (Tank 531), D215 (Tank 530), D216 (Tank 529), D217 (Tank 528), D218 (Tank 527) and D219 (Tank 526)..

For compliance with this condition, the operator shall monitor the throughput of the materials unloaded at the Wastewater Unloading (Process 7, System 2)..

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

[Devices subject to this condition : D66, D67, D68, D79, D85, D87, D92, D93, D94, D95, D209, D210, D211, D212, D213, D214, D215, D216, D217, D218, D219]

- C1.4 The operator shall limit the operating time to no more than 200 hour(s) in any one year.



## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

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

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

Operations for maintenance and testing as defined in Rule 1470 shall not exceed 50 hours in any one calendar year.

Operations for maintenance and testing as defined in Rule 1470 shall not exceed 4.2 hours in any one calendar month..

The total annual operating time includes all operations including maintenance and testing operations.

**[RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996; RULE 1470, 6-1-2007;  
RULE 2012, 5-6-2005]**

[Devices subject to this condition : D298]

C1.5 The operator shall limit the throughput to no more than 6,132,000 gallon(s) in any one calendar month.

This limit shall be based on the total combined throughput of asphalt flux for equipment D99 (Tank N3), D100 (Tank N4), D101 (Tank 1110), and D309 (Tank A1)..

For compliance with this condition, the operator shall monitor the throughput of materials loaded at the Asphalt Flux Loading Rack No. 4 (Process 7, System 7) and Asphalt Flux Loading Rack No. 7 (Process 7, System 8)..

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

[Devices subject to this condition : D99, D100, D101, D309]

C1.6 The operator shall limit the throughput to no more than 166,667 lb(s) in any one calendar month.

For the purpose of this condition, throughput shall be defined as the total weight of materials transferred to the silo.



## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

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

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

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

[Devices subject to this condition : D329]

- C1.7 The operator shall limit the throughput to no more than 6,132,000 gallon(s) in any one calendar month.

This limit shall be based on the total combined throughput of asphalt flux for equipment D104 (Tank 1101), and D105 (Tank 1102)..

For compliance with this condition, the operator shall monitor the throughput of materials loaded at the Asphalt Flux Loading Rack No. 4 (Process 7, System 7) and Asphalt Flux Loading Rack No. 7 (Process 7, System 8)..

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

[Devices subject to this condition : D104, D105]

- C1.8 The operator shall limit the throughput to no more than 6,387,500 gallon(s) in any one calendar month.

For compliance with this condition, the operator shall monitor the throughput of materials unloaded at the Used Oil Unloading (Process 7, System 1).

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

[Devices subject to this condition : D88]

- C1.9 The operator shall limit the throughput to no more than 100,000 gallon(s) in any one calendar month.



## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

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

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

This limit shall be based on the total combined throughput of RCRA Fuel for equipment D69 (Tank 515), and D91 (Tank 516).

For compliance with this condition, the operator shall monitor the throughput of materials unloaded at the RCRA Fuel Loading & Unloading (Process 7, System 9).

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

[Devices subject to this condition : D69, D91]

- C1.10 The operator shall limit the throughput to no more than 243,334 gallon(s) in any one calendar month.

This limit shall be based on the total combined throughput of naphtha for equipment D65 (Tank 504), D70 (Tank 502), D72 (Tank 501), D89 (Tank 503) and D90 (Tank 505)..

For compliance with this condition, the operator shall monitor the throughput of materials loaded at the Naphtha Loading (Process 7, System 5)..

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

[Devices subject to this condition : D65, D70, D72, D89, D90]

- C1.11 The operator shall limit the throughput to no more than 1,520,833 gallon(s) in any one calendar month.

For compliance with this condition, the operator shall monitor the throughput of materials unloaded at the Used Glycol Unloading (Process 7, System 3).

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

[Devices subject to this condition : D107, D108, D109, D110, D111, D112, D113]



## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

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

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

C4.1 The operator shall limit the residence time to no less than 0.5 seconds.

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

[Devices subject to this condition : C142]

C6.1 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 450 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature reading device to accurately indicate the temperature of the stored material.

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

[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 : D99, D100, D101, D309]

C6.2 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 500 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature reading device to accurately indicate the temperature of the stored material.

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



## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

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

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

**[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 : D104, D105]

- C6.3 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 160 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature reading device to accurately indicate the temperature of the stored material.

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

**[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 : D107]

- C6.4 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 200 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature reading device to accurately indicate the temperature of the stored material.

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

**[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 : D110, D113]



## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

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

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

- C8.1 The operator shall use this equipment in such a manner that the pH being monitored, as indicated below, is not less than 10 of the pH scale.

The operator shall monitor and record the pH of the scrubbing solution at least twice per day..

The operator shall calibrate the instrument used to measure the pH per the manufacturer's specifications.

**[RULE 204, 10-8-1993; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : C137, C138]

- C8.2 The operator shall use this equipment in such a manner that the pH being monitored, as indicated below, is not less than 11.5 of the pH scale.

The operator shall monitor and record the pH of the scrubbing solution at least twice per day.

The operator shall calibrate the instrument used to measure the pH per the manufacturer's specifications.

**[RULE 204, 10-8-1993; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : C139]

- C8.5 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.

The temperature limit is the average over 15 minutes.

To comply with this condition, the operator shall install and maintain a(n) temperature reading device to accurately indicate the temperature in the combustion chamber and at least 1 second downstream of the burner.



## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

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

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

**[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 : C142]

C8.8 The operator shall use this equipment in such a manner that the flow rate being monitored, as indicated below, is not less than 40 gpm.

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

The flow rate measured shall be the scrubber re-circulation flow rate.

The operator shall monitor and record the re-circulation flow rate of the caustic solution at least twice per day.

The operator shall calibrate the flow meter per the manufacturer's specifications.

**[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 : C137, C138, C139]

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

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

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

[Devices subject to this condition : D270, D272]



## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

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

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

- D12.3 The operator shall install and maintain a(n) continuous monitoring system to accurately indicate the open or closed position of the FGR and cold combustion air flow control valves.

Tables or graphs shall be prepared which correlate the valve positions with FGR and cold combustion air flow rates.

These tables or graphs shall be maintained by the operator and shall be made available to District personnel upon request.

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

[Devices subject to this condition : D270, D272]

- D12.4 The operator shall install and maintain a(n) flow meter to accurately indicate the flow rate at the inlet of the carbon adsorber.

The operator shall verify operation of the blower BL709 (D277) prior to the start of any truck washout/unloading activity.

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

[Devices subject to this condition : D274, C276]

- D12.5 The operator shall install and maintain a(n) flow meter to accurately indicate the flow rate being supplied to the combustion chamber.

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

For the purpose of this condition, the flow rate of natural gas supplied to the combustion chamber shall be indicated and recorded

[RULE 2012, 5-6-2005]



## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

### 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 : C142]

- D12.8 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 1470, 6-1-2007;  
RULE 2012, 5-6-2005; 40CFR 60 Subpart III, 7-11-2006]**

[Devices subject to this condition : D298]

- D12.9 The operator shall install and maintain a(n) non-resettable totalizing fuel meter to accurately indicate the fuel usage of the boiler.

**[RULE 2012, 5-6-2005; 40CFR 60 Subpart Dc, 2-27-2006]**

[Devices subject to this condition : D116, D191]

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

The test shall be conducted at least once every three years.

The test shall be conducted to determine the control efficiency of this equipment for destruction of VOC and Organic HAPs..

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

[Devices subject to this condition : C142]

- D29.5 The operator shall conduct source test(s) for the pollutant(s) identified below.



**FACILITY PERMIT TO OPERATE  
DEMENNO/KERDOON**

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

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

Pollutant(s) to be tested	Required Test Method(s)	Averaging Time	Test Location
NOX emissions	Approved District method	1 hour	Outlet

The test shall be conducted once every 5-year period with the first 5-year period ending June 30, 2015.

The test shall be conducted to demonstrate compliance with the source testing requirements of Rule 2012 for a Process Unit opting to comply with a NOx concentration limit.

**[RULE 2012, 5-6-2005; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : D270, D272]

D90.3 The operator shall periodically monitor the VOC concentration at outlet of the last carbon adsorber according to the following specifications:

The operator shall use EPA Reference Method 21 to monitor the parameter.

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

The operator shall monitor once every week.

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

[Devices subject to this condition : C34, C35]

D90.4 The operator shall periodically monitor the VOC concentration at the inlet of each carbon canister and at the exit to the atmosphere according to the following specifications:



## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

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

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

The operator shall use EPA Reference Method 21 to monitor the parameter.

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

The operator shall monitor once every month.

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

[Devices subject to this condition : C276]

D90.5 The operator shall periodically monitor the VOC concentration at outlet of the last carbon adsorber according to the following specifications:

The operator shall monitor once every eight hours whenever the vacuum blower is not running.

The operator shall use EPA Reference Method 21 to monitor the parameter.

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

**[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 : C303, C304, C308, C311, C312, C313]

D90.6 The operator shall periodically monitor the the operation of the vacuum blower according to the following specifications:

The operator shall monitor once every day.



## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

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

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

**[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 : D140, D195, D196, D197, D198, D284, D287, D288, D289]

D90.7 The operator shall periodically monitor the vacuum level at inlet of the carbon adsorber(s) according to the following specifications:

The operator shall monitor once every day.

**[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 : C303, C304, C308, C311, C312, C313]

D90.10 The operator shall periodically monitor the VOC concentration at outlet of the carbon adsorber according to the following specifications:

The operator shall use EPA Reference Method 21 to monitor the parameter.

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

The operator shall monitor once every month.

**[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 : C335]

D90.11 The operator shall periodically monitor the VOC concentration at outlet of each carbon adsorber according to the following specifications:



## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

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

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

The operator shall use EPA Reference Method 21 to monitor the parameter.

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

The operator shall monitor once every operating day.

**[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 : C551]



## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

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

**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 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 DEMENNO/KERDOON

### 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]**

[Devices subject to this condition : D117, D118, D119, D120, C142, D329]

- 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 1146 concentration limit. The operator shall comply with all general testing, reporting, and recordkeeping requirements in Sections E and K of this permit.

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

[Devices subject to this condition : D116, D191]

- 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 emissions limit. The operator shall comply with all general testing, reporting, and recordkeeping requirements in Sections E and K of this permit.

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

[Devices subject to this condition : D270, D272]

#### **E. Equipment Operation/Construction Requirements**

- E128.1 The operator shall keep all spent carbon in a tightly covered container which shall remain closed except when it is being transferred into or out of the container.



## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

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

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

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

[Devices subject to this condition : C34, C35, C303, C304, C308, C311, C312, C313, C335, C551]

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

For the purpose of this condition, breakthrough occurs when the hydrocarbon monitor reading indicates a concentration of 500 ppmv at the outlet of the last carbon.

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

[Devices subject to this condition : C34, C35, C303, C304, C308, C311, C312, C313]

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

For the purpose of this condition, breakthrough occurs when the hydrocarbon monitor reading indicates a concentration of 100 ppmv at the outlet of the first carbon canister. On an annual basis, without regard to whether breakthrough has occurred, DeMenno/Kerdoon shall change over the carbon in the adsorber. Changing over the carbon in the adsorber shall include removal of the first carbon canister, rotating the second canister in series to first, and putting in a new second carbon canister.

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

[Devices subject to this condition : C276]

E153.3 The operator shall change over the carbon in the adsorber whenever breakthrough occurs.



## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

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

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

For the purpose of this condition, breakthrough occurs when the hydrocarbon monitor reading indicates a concentration of 500 ppmv at the outlet of the carbon adsorber.

Without regard to whether breakthrough has occurred, the operator shall change over the carbon a minimum of once per calendar year.

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

[Devices subject to this condition : C335]

**E153.4 The operator shall change over the carbon in the adsorber whenever breakthrough occurs.**

For the purpose of this condition, breakthrough occurs when the hydrocarbon monitor reading indicates a concentration of 500 ppmv or higher at the outlet of the primary carbon adsorber. The primary adsorber shall be replaced with either 1) a fresh activated carbon adsorber, or 2) the secondary activated carbon adsorber, and the secondary adsorber shall be replaced with a fresh activated carbon adsorber.

Without regard to whether breakthrough has occurred, the operator shall change over the carbon a minimum of once per calendar year.

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

[Devices subject to this condition : C551]

**E184.1 The operator shall thoroughly clean the filters in the filter vents immediately after each load of material is received.**

**[RULE 204, 10-8-1993]**

[Devices subject to this condition : D329]



## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

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

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

E193.2 The operator shall operate and maintain this equipment as follows:

The number of trucks using the enclosed truck washout facility shall be limited to 60 in any one day.

The operator shall verify operation of the blower BL709 (D277) prior to the start of any truck washout/unloading activity.

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

[Devices subject to this condition : D274]

E336.1 The operator shall vent the vent gases from this equipment as follows:

All vent gases shall be vented to the Vapor Recovery System - North Tank Farms (Process 9, System 1).

This equipment shall not be operated unless the above vapor recovery system is in full use and has a valid permit to receive vent gases from this equipment.

[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 : D75, D76, D77, D78, D99, D100, D101, D103, D104, D105, D106, D107, D108, D109, D110, D111, D112, D113, D309]

E336.2 The operator shall vent the vent gases from this equipment as follows:

All vent gases shall be vented to the Vapor Return Line (Device C18).

This equipment shall not be operated unless the above vapor return line is in full use and has a valid permit to receive vent gases from this equipment.



## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

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

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

**[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 : D16, D552]

E336.3 The operator shall vent the vent gases from this equipment as follows:

All vent gases shall be vented to at least one Vapor Return Line (Devices C17 and C22).

This equipment shall not be operated unless the above vapor return line(s) is in full use and has a valid permit to receive vent gases from this equipment.

**[RULE 1303(a)(1)-BACT, 5-10-1996; 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 : D20, D227, D229, D233, D338]

E336.4 The operator shall vent the vent gases from this equipment as follows:

All vent gases shall be vented to the Vapor Recovery System - South Tank Farms (Process 9, System 2).

This equipment shall not be operated unless the above vapor recovery system is in full use and has a valid permit to receive vent gases from this equipment.

**[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 DEMENNO/KERDOON

### 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 : D66, D67, D68, D71, D73, D74, D79, D80, D81, D82, D83, D84, D85, D87, D88, D92, D93, D94, D95, D209, D210, D211, D212, D213, D214, D215, D216, D217, D218, D219, D220, D221, D222, D223, D224, D225]

E336.5 The operator shall vent the vent gases from this equipment as follows:

All vent gases shall be vented to the Vapor Recovery System - RCRA Fuel & Naphtha Tanks (Process 9, System 5).

This equipment shall not be operated unless the above vapor recovery system is in full use and has a valid permit to receive vent gases from this equipment.

[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 : D65, D69, D70, D72, D89, D90, D91]

#### H. Applicable Rules

H23.2 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	464

[RULE 464, 12-7-1990]

[Devices subject to this condition : D26, D29, D30, D32, D33, D52, D64, D418]



## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

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

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

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

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1122

**[RULE 1122, 10-1-2004; RULE 1122, 5-1-2009]**

[Devices subject to this condition : E264]

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

Contaminant	Rule	Rule/Subpart
VOC	District Rule	463

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

[Devices subject to this condition : D65, D66, D68, D69, D70, D71, D72, D73, D74, D75, D76, D79, D80, D81, D82, D83, D84, D85, D87, D88, D89, D90, D91, D93, D94, D95, D103, D106, D107, D108, D109, D110, D111, D112, D113, E328]

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

Contaminant	Rule	Rule/Subpart
VOC	40CFR60, SUBPART	Kb

**[40CFR 60 Subpart Kb, 10-15-2003]**



## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

### 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 : D65, D66, D68, D69, D70, D71, D72, D73, D74, D75, D76, D79, D80, D81, D82, D83, D84, D85, D87, D88, D89, D90, D91, D93, D94, D95, D103, D106, D107, D108, D109, D110, D111, D112, D113]

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

Contaminant	Rule	Rule/Subpart
SOX	40CFR60, SUBPART	Dc
PM	40CFR60, SUBPART	Dc

**[40CFR 60 Subpart Dc, 2-27-2006]**

[Devices subject to this condition : D116, D191]

H23.10 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
PM	District Rule	1470
CO	40CFR60, SUBPART	III
NOX	40CFR60, SUBPART	III
PM	40CFR60, SUBPART	III
ROG	40CFR60, SUBPART	III
HAPs	40CFR63, SUBPART	ZZZZ

**[RULE 1470, 6-1-2007; 40CFR 60 Subpart III, 7-11-2006; 40CFR 63 Subpart ZZZZ, 1-18-2008]**



**FACILITY PERMIT TO OPERATE  
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**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 : D298]

H23.12 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
Visible Emissions	District Rule	1155

[RULE 1155, 12-4-2009]

[Devices subject to this condition : D329]

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

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1149

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

[Devices subject to this condition : D65, D66, D68, D69, D70, D72, D79, D88, D89, D90, D91, D93, D94, D95]

H23.14 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	462



## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

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

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

[RULE 462, 5-14-1999]

[Devices subject to this condition : E343]

H116.1 The operator shall vent all gases, vapors and gas-entrained effluents from this equipment to an afterburner which is in full operation in order to comply with District Rule 470 whenever this equipment is in operation.

[RULE 470, 5-7-1976]

[Devices subject to this condition : D117, D118]

#### I. Administrative

I296.1 This equipment shall not be operated unless the operator demonstrates to the Executive Officer that the facility holds sufficient RTCs to offset the annual emissions increase for the first 12 months of operation. In addition, this equipment shall not be operated unless the operator demonstrates to the Executive Officer that, at the commencement of each compliance year after the start of operation, the facility holds sufficient RTCs in an amount equal to the annual emissions increase.

[RULE 2005, 5-6-2005]

[Devices subject to this condition : D298]

#### K. Record Keeping/Reporting

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



## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

### 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 : E261]

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

All materials loaded, unloaded, or stored.

Monthly throughput of materials loaded, unloaded or stored.

True vapor pressure measurements (if required).

Reid vapor pressure measurements (if required).

Temperature measurements (if required).

Material Safety Data Sheets (if required).



## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

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

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

**[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 : D16, D20, D65, D66, D67, D68, D69, D70, D71, D72, D73, D74, D75, D76, D77, D78, D79, D80, D81, D82, D83, D84, D85, D87, D88, D89, D90, D91, D92, D93, D94, D95, D99, D100, D101, D103, D104, D105, D106, D107, D108, D109, D110, D111, D112, D113, D209, D210, D211, D212, D213, D214, D215, D216, D217, D218, D219, D220, D221, D222, D223, D224, D225, D227, D229, D231, D233, D235, D242, D309, D336, D338, D552]

K67.7 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Number of trucks using the truck washout facility each day

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

[Devices subject to this condition : D274]

K67.8 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):



## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

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

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

A log of engine operations, including manual and automatic operation, documenting the total time the engine is operated each month and the specific reason for operation as:

- A. Emergency use
- B. Maintenance and testing
- C. Other (Describe the reason for the operation)

In addition, for each time the engine is manually started, the log shall include the date of engine operation, the specific reason for operation, and the totalizing hour meter readings (in hours and tenths of hours) at the beginning and end of the operation.

On or before January 15th of each year, the operator shall record in the engine log:

- A. the total hours of engine operation for the previous calendar year, and
- B. the total hours of engine operation for maintenance and testing for the previous calendar year.

Engine operation log(s) shall be retained on site for a minimum of five calendar years and shall be made available to the Executive Officer or representative upon request.

[RULE 1110.2, 2-1-2008; **RULE 1303(a)(1)-BACT, 5-10-1996**; RULE 1303(a)(1)-BACT, 12-6-2002; **RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996**; RULE 1470, 6-1-2007; **RULE 2012, 5-6-2005**; **RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997**]

[Devices subject to this condition : D298]

K67.10 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):



## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

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

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

VOC monitoring of the carbon adsorber(s).

Vacuum level monitoring of the carbon adsorber(s).

Replacement of the carbon adsorber(s).

Records shall be kept and maintained for at least five years, and shall be made available to the Executive Officer or his authorized representative upon request.

**[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 : C303, C304, C308, C311, C312, C313]

K67.11 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Monitoring, maintenance and repair of the vacuum blower.

Records shall be kept and maintained for at least five years, and shall be made available to the Executive Officer or his authorized representative upon request.

**[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 : D140, D195, D196, D197, D198, D284, D287, D288, D289]

K67.12 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Amount of natural gas combusted during each calendar month



## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

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

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

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 2012, 5-6-2005; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; 40CFR 60 Subpart Dc, 2-27-2006]**

[Devices subject to this condition : D116, D191]

K67.17 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Amount of natural gas combusted during each quarter.

Results of the periodic source tests for NOx and CO.

Records shall be kept and maintained for at least five years, and shall be made available to the Executive Officer or his authorized representative upon request.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 2012, 5-6-2005; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : D270, D272]

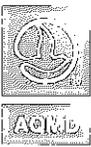
K67.18 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

All materials stored during each year.

The date(s) any materials are received.

The total weight of materials received.

Records shall be kept and maintained for at least five years, and shall be made available to the Executive Officer or his authorized representative upon request.



## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

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

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

**[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 : D329]

K67.19 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

pH of the scrubbing solution.

Re-circulation flow rate, in gpm, of the scrubbing solution.

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

[Devices subject to this condition : C137, C138, C139]

K67.20 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Volume of wastewater discharged to the LACSD sewer connection, in gallons per calendar month.

**[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 : D468]

K67.21 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Date and hours of operation.

Reason for operation.

Monitoring and replacement of the carbon adsorber(s).



## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

### 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 402, 5-7-1976**]

[Devices subject to this condition : C551]

K67.22 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

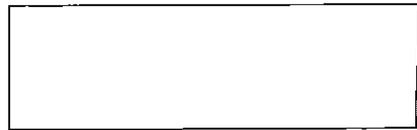
Monitoring and replacement of the carbon adsorber(s).

[**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 : C34, C35, C276, C335]



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT  
21865 Copley Drive, Diamond Bar, CA 91765





## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

### SECTION I: PLANS AND SCHEDULES

This section lists all plans approved by AQMD for the purposes of meeting the requirements of applicable AQMD rules specified below. The operator shall comply with all conditions specified in the approval of these plans, with the following exceptions:

- a. The operator does not have to comply with NOx or SOx emission limits from rules identified in Table 1 or Table 2 of Rule 2001(j) which become effective after December 31, 1993.
- b. The operator does not have to comply with NOx or SOx emission limits from rules identified in Table 1 or Table 2 of Rule 2001(j) after the facility has received final certification of all monitoring and reporting requirements specified in Section F and Section G.

Documents pertaining to the plan applications listed below are available for public review at AQMD Headquarters. Any changes to plan applications will require permit modification in accordance with Title V permit revision procedures.

List of approved plans:

Application	Rule
476345	1173
521909	1173

NOTE: This section does not list compliance schedules pursuant to the requirements of Regulation XXX - Title V Permits; Rule 3004(a)(10)(C). For equipment subject to a variance, order for abatement, or alternative operating condition granted pursuant to Rule 518.2, equipment specific conditions are added to the equipment in Section D or H of the permit.



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT  
21865 Copley Drive, Diamond Bar, CA 91765





# South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178  
(909) 396-2000 • www.aqmd.gov

September 16, 2011

Mr. Alok Das  
DeMenno/Kerdoon  
2000 N. Alameda Street  
Compton, CA 90222

**Re:** Rule 1173 Compliance Plan  
Application Number: 521909  
Plan Owner/Operator: DeMenno/Kerdoon  
Facility ID: 800037  
Site Address: 2000 N. Alameda Street  
Compton, CA 90222

Dear Mr. Das:

Please refer to the submitted application (Application #521909) for the evaluation of your facility's Rule 1173 compliance plan dated May 3, 2011, to comply with the South Coast Air Quality Management District's (AQMD) Rule 1173 – Control of Volatile Organic Compound Leaks and Releases from Components at Petroleum Facilities and Chemical Plants. The Rule 1173 compliance plan has been reviewed and approved, subject to the conditions listed below.

## **CONDITIONS**

1. The operator shall install and operate its atmospheric PRD monitoring systems in accordance with all data and specifications submitted with this application under which this plan is approved unless otherwise specified below.
2. The operator shall install electronic monitoring devices on all nine atmospheric PRDs identified in Attachment A that are subject to Rule 1173(h)(3).

3. The operator shall use a continuous pressure monitoring system (CPMS) to continuously monitor and record the process pressure that is used as an indicator of release for the PRD identified in the plan.
4. CPMS shall be defined to include the pressure sensors or transmitters, receivers, and the data acquisition or recording systems. Continuous recording shall be defined as the recorded pressure readings at a minimum of one minute intervals. The data recording systems shall be accurately synchronized with the time and date of the measurement.
5. The operator shall ensure that the CPMS for each of the subject atmospheric PRDs is properly maintained and kept in good operating condition at all times when the process equipment that it serves is in operation, except when it is taken out of service due to the following reasons:
  - a. Failure, breakdown, or unplanned maintenance of the data acquisition or recording system, which shall not exceed 48 hours cumulatively in any given calendar quarter. The operator shall also report the time period that the data recording system is out of service in the quarterly report.
  - b. Planned maintenance of the CPMS shall not exceed 7 days in a calendar year unless the operator has notified the District by telephone at 1-800-CUT-SMOG detailing the specific reason for the maintenance within 24 hours of taking the CPMS from service.
6. The operator shall use following equation(s) or other alternative District-approved methodology to determine the volatile organic compound (VOC) emissions from a PRD release. The operator shall submit a plan application in order for the District to evaluate an alternative VOC emission estimation methodology.

PRD Equation for Vapor or Gas Service

$$W_s = \frac{(ACK_d K_b K_c)(P+14.7)}{3600 \sqrt{\frac{(T+460)Z}{M}}}$$

$$W_{voc} = W_s * VOC * t$$

$$W_{TVOC} = \sum W_{voc}$$

Where:

A = Relief Valve Orifice Size

$$C = \text{Sizing Coefficient} = 520 \sqrt{k \left( \frac{2}{k+1} \right)^{\frac{k+1}{k-1}}}$$

$k = C_p/C_v =$  Specific Heat Ratio for the released gas

$K_d =$  Effective Coefficient of Discharge (use  $K_d = 0.975$  in absence of manufacturer's PRD specific data)

$K_b =$  Capacity Correction Factor

$K_c =$  Combination Correction Factor. ( $K_c = 1$  if no rupture disk;  $K_c = 0.9$  if rupture disk)

$M =$  Molecular Weight of the released gas

$P =$  Pressure (psig), as measured with Continuous Process Monitoring System

$T =$  Temperature ( $^{\circ}\text{F}$ )

$t =$  Recorded Duration of Release in Seconds by Electronic Monitoring Device

$\text{VOC} =$  weight percent VOC in the released gas

$W_s =$  Flow through the PRD, lb/sec

$W_{\text{voc}} =$  Flow of VOCs through the PRD

$W_{\text{TVOC}} =$  Total VOC Released during the Event, lbs

$Z =$  Compressibility Factor

#### PRD Equation for Liquid Service

$$Q = 0.63 A K_d K_w K_v \sqrt{\frac{P}{G}}$$

$$M = Q * 8.34 * G * t$$

$Q =$  flow rate, (U.S. gallon per second)

$K_d =$  Rated Coefficient of Discharge (use  $K_d = 0.65$  in absence of manufacturer's PRD specific data)

$K_w =$  Capacity Correction Factor ( $K_w = 1$  for atmospheric back pressure)

$K_v =$  Correction Factor due to Viscosity (assume = 1)

$P =$  Pressure (psig), as measured with Continuous Process Monitoring System

$G =$  Specific Gravity of the liquid at flowing temperature

$M =$  Release per Event in lbs

$t =$  Recorded Duration of Release in Seconds by Electronic Monitoring Device

For each PRD release event, it shall be assumed that the PRD is fully open for the duration of the release recorded by the monitoring device. Any alternative in determining the release duration or quantity shall be evaluated and approved in writing by the District.

7. The operator shall calibrate and maintain each pressure sensor in accordance with manufacturer's specifications.
8. All components of the CPMS shall be made available to District personnel for inspection upon request.
9. The operator shall keep adequate records to show compliance with all plan conditions. Such records shall be made available to District personnel upon request. The operator shall maintain records for at least five years.
10. The provisions of this plan shall not apply to any PRDs that are determined to be no longer subject to Rule 1173(h)(3), including PRDs that have been removed, tied into a closed system, or are located on equipment that is out of service and hydrocarbon free. If the operator makes any changes allowed under this condition, the operator shall submit an updated inventory to the District within 12 months identifying changes to the inventory.

If you have any question, please contact Mr. Jonathan Uhl at (909) 396-2725.

Sincerely yours,



Jay Chen, P.E.  
Senior AQ Engineering Manager  
Refinery / Waste Management / Terminals  
Permitting

Attachment A-List of Atmospheric PRDs

cc: Compliance  
A/N 521909

## ATTACHMENT A

**PRESSURE RELIEF DEVICE INVENTORY**

SCAQMD Device No.	D/K Equipment No.	Location	Inlet Size (in.)	Outlet Size (in.)	Set Pressure (psig)
D125	C201	Atmospheric Dehydration Tower	4	6	60
D126	C202	Atmospheric Dehydration Tower	4	6	60
D127	C203	Vacuum Dehydration Tower	4	6	60
D188	C207	Vacuum Unit #1	3	4	40
D236	C205	Vacuum Unit #2	3	4	40
D178	C206	Vacuum Dehydration Vessel	3	4	60
D128	D-204	Relief Valve to 3" Waste Gas Line	3	4	15
C281	Dowtherm Return Line	New Afterburner	6	8	175
C281	Expansion Drum	New Afterburner	1.5	3	175