

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

TABLE OF CONTENTS

Section	Description	Revision #	Date Issued
A	Facility Information	6	07/01/2011
B	RECLAIM Annual Emission Allocation	20	07/01/2011
C	Facility Plot Plan	TO BE DEVELOPED	
D	Facility Description and Equipment Specific Conditions	10	07/01/2011
E	Administrative Conditions	8	07/01/2011
F	RECLAIM Monitoring and Source Testing Requirements	6	07/01/2011
G	Recordkeeping and Reporting Requirements for RECLAIM Sources	7	07/01/2011
H	Permit To Construct and Temporary Permit to Operate	12	07/01/2011
I	Compliance Plans & Schedules	4	07/01/2011
J	Air Toxics	1	07/01/2011
K	Title V Administration	1	07/01/2011
Appendix			
A	NOx and SOx Emitting Equipment Exempt From Written Permit Pursuant to Rule 219	4	07/01/2011
B	Rule Emission Limits	1	07/01/2011

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

SECTION A: FACILITY INFORMATION

LEGAL OWNER &/OR OPERATOR: DEMENNO/KERDOON

LEGAL OPERATOR (if different than owner):

EQUIPMENT LOCATION: 2000 N ALAMEDA ST
 COMPTON, CA 90222

MAILING ADDRESS: 2000 N ALAMEDA ST
 COMPTON, CA 90222

RESPONSIBLE OFFICIAL: JAY DEMEL

TITLE: VICE PRESIDENT OF OPERATIONS

TELEPHONE NUMBER: (310) 537-7100

CONTACT PERSON: ALOK DAS

TITLE: ENVIRONMENTAL ENGINEERING MANAGER

TELEPHONE NUMBER: (310) 537-7100

INITIAL TITLE V PERMIT ISSUED: July 01, 2011

TITLE V PERMIT EXPIRATION DATE: June 30, 2016

TITLE V	RECLAIM
YES	NOx: YES SOx: NO CYCLE: 2 ZONE: COASTAL

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of NOx RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. Total NOx emission shall not exceed such annual allocations unless the operator obtains RTCs corresponding to the facility's increased emissions in compliance with Rules 2005 and 2007.

The level of Starting Allocation plus Non-Tradable Credits used to determine compliance with Rule 2005(c)(4) and applicability of Rule 2005(e) - Trading Zone Restrictions is listed on the last page of this Section.

The following table lists the annual allocations that were issued to this facility and the amounts of RTCs held by this facility on the day of printing this Section.

RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)

Year Begin End (month/year)	Zone	NOx RTC Initially Allocated	NOx RTC ¹ Holding as of 07/01/2011 (pounds)	Non-Tradable ² Non-Usable RTCs (pounds)
7/2008 6/2009	Coastal	11908	930	322
1/2009 12/2009	Coastal	0	0	0
7/2009 6/2010	Coastal	11908	4770	643
7/2010 6/2011	Coastal	11908	12571	965
7/2011 6/2012	Coastal	11908	9229	1286
7/2012 6/2013	Coastal	11908	9229	1286
7/2013 6/2014	Coastal	11908	9229	1286
7/2014 6/2015	Coastal	11908	9229	1286
7/2015 6/2016	Coastal	11908	9229	1286
7/2016 6/2017	Coastal	11908	9229	1286
7/2017 6/2018	Coastal	11908	9229	1286
7/2018 6/2019	Coastal	11908	9229	1286
7/2019 6/2020	Coastal	11908	9229	1286
7/2020 6/2021	Coastal	11908	9229	1286
7/2021 6/2022	Coastal	11908	9229	1286
7/2022 6/2023	Coastal	11908	9229	1286
7/2023 6/2024	Coastal	11908	9229	1286

Footnotes:

1. This number may change due to pending trades, emissions reported under Quarterly Certification of Emissions Report (QCER) and Annual Permit Emission Program (APEP) Report required pursuant to Rule 2004, or deductions made pursuant to Rule 2010(b). The most recent total RTC information can be obtained from the District's RTC Listing.
2. The use of such credits is subject to restrictions set forth in paragraph (f)(1) of Rule 2002.

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of NOx RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. Total NOx emission shall not exceed such annual allocations unless the operator obtains RTCs corresponding to the facility's increased emissions in compliance with Rules 2005 and 2007.

The level of Starting Allocation plus Non-Tradable Credits used to determine compliance with Rule 2005(c)(4) and applicability of Rule 2005(e) - Trading Zone Restrictions is listed on the last page of this Section.

The following table lists the annual allocations that were issued to this facility and the amounts of RTCs held by this facility on the day of printing this Section.

RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)

Year Begin End (month/year)	Zone	NOx RTC Initially Allocated	NOx RTC ¹ Holding as of 07/01/2011 (pounds)	Non-Tradable ² Non-Usable RTCs (pounds)
7/2024 6/2025	Coastal	11908	9229	1286
7/2025 6/2026	Coastal	11908	9229	1286

Footnotes:

1. This number may change due to pending trades, emissions reported under Quarterly Certification of Emissions Report (QCER) and Annual Permit Emission Program (APEP) Report required pursuant to Rule 2004, or deductions made pursuant to Rule 2010(b). The most recent total RTC information can be obtained from the District's RTC Listing.
2. The use of such credits is subject to restrictions set forth in paragraph (f)(1) of Rule 2002.

**FACILITY PERMIT TO OPERATE
 DEMENNO/KERDOON**

SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. If the facility submits a permit application to increase in an annual allocation to a level greater than the facility's starting Allocation plus Non-Tradable credits as listed below, the application will be evaluated for compliance with Rule 2005 (c)(4). Rule 2005 (e) - Trading Zone Restrictions applies if an annual allocation is increased to a level greater than the facility's Starting Allocation plus Non-Tradable Credits:

Year		Zone	NOx RTC	Non-Tradable
Begin	End		Starting Allocation	Credits(NTC)
(month/year)			(pounds)	(pounds)
7/1994	6/1995	Coastal	12813	5702

**FACILITY PERMIT TO OPERATE
DEMENNO/KERDOON**

SECTION C: FACILITY PLOT PLAN

(TO BE DEVELOPED)

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
Process 1: DISTILLATION					
System 1: USED OIL DEHYDRATION					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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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: DISTILLATION					
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
 (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
Process 1: DISTILLATION					
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
 (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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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: DISTILLATION					
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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|---|---|
| <p>* (1) (1A) (1B) Denotes RECLAIM emission factor
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 (9) See App B for Emission Limits</p> | <p>(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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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: DISTILLATION					
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				
System 2: VACUUM DISTILLATION UNIT NO. 1					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
- (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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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: DISTILLATION					
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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|---|---|
| <p>* (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</p> | <p>(2) (2A) (2B) Denotes RECLAIM emission rate
 (4) Denotes BACT emission limit
 (6) Denotes air toxic control rule limit
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (10) See section J for NESHAP/MACT requirements</p> |
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: DISTILLATION					
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				
System 3: VACUUM DISTILLATION UNIT NO.2					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.)
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: DISTILLATION					
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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|---|---|
| <p>* (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</p> | <p>(2) (2A) (2B) Denotes RECLAIM emission rate
 (4) Denotes BACT emission limit
 (6) Denotes air toxic control rule limit
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: DISTILLATION					
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				

* (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
Process 1: DISTILLATION					
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				
System 4: VACUUM DISTILLATION UNIT HEATERS					

* (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
Process 2: LUBRICATION OIL PRODUCTION					
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				
Process 3: TREATING/STRIPPING					
System 1: NAPHTHA SPLITTER UNIT					S15.1
PUMP, P-601A/B, CHARGE, 3 HP EACH, 2 TOTAL A/N: 512556	D374				

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| <ul style="list-style-type: none"> * (1) (1A) (1B) Denotes RECLAIM emission factor (3) Denotes RECLAIM concentration limit (5) (5A) (5B) Denotes command and control emission limit (7) Denotes NSR applicability limit (9) See App B for Emission Limits | <ul style="list-style-type: none"> (2) (2A) (2B) Denotes RECLAIM emission rate (4) Denotes BACT emission limit (6) Denotes air toxic control rule limit (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.) (10) See section J for NESHAP/MACT requirements |
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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
Process 3: TREATING/STRIPPING					
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
Process 3: TREATING/STRIPPING					
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
 (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
Process 3: TREATING/STRIPPING					
HEAT EXCHANGER, DOUBLE PIPE, E-504A, BOTTOMS COOLER, LENGTH: 15 FT ; DIAMETER: 4 IN A/N: 512556	D382				
Process 4: ETHYLENE GLYCOL RECYCLING UNIT					
System 1: ETHYLENE GLYCOL DISTILLATION					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
 (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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 4: ETHYLENE GLYCOL RECYCLING UNIT					
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
- (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
Process 4: ETHYLENE GLYCOL RECYCLING UNIT					
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				

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| <ul style="list-style-type: none"> * (1) (1A) (1B) Denotes RECLAIM emission factor (3) Denotes RECLAIM concentration limit (5) (5A) (5B) Denotes command and control emission limit (7) Denotes NSR applicability limit (9) See App B for Emission Limits | <ul style="list-style-type: none"> (2) (2A) (2B) Denotes RECLAIM emission rate (4) Denotes BACT emission limit (6) Denotes air toxic control rule limit (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.) (10) See section J for NESHAP/MACT requirements |
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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
Process 4: ETHYLENE GLYCOL RECYCLING UNIT					
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
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 4: ETHYLENE GLYCOL RECYCLING UNIT					
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				

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| <p>* (1) (1A) (1B) Denotes RECLAIM emission factor
 (3) Denotes RECLAIM concentration limit
 (5) (5A) (5B) Denotes command and control emission limit
 (7) Denotes NSR applicability limit
 (9) See App B for Emission Limits</p> | <p>(2) (2A) (2B) Denotes RECLAIM emission rate
 (4) Denotes BACT emission limit
 (6) Denotes air toxic control rule limit
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (10) See section J for NESHAP/MACT requirements</p> |
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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
Process 4: ETHYLENE GLYCOL RECYCLING UNIT					
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.)
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 4: ETHYLENE GLYCOL RECYCLING UNIT					
PUMP, AP-930, TRANSFER, AIR-POWERED A/N: 512565	D516				
PUMP, AP-931, AIR-POWERED A/N: 512565	D517				
Process 5: OIL/WATER SEPARATION					
System 1: WASTE WATER TREATMENT					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
 (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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 5: OIL/WATER SEPARATION					
PUMP, P-810, CONTROL ROOM DRAIN, 3 HP A/N: 447670	D443				
BIN, HOP300, SOLID, WITH CHAIN DRIVEN SCRAPPER, 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
- (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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- (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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 5: OIL/WATER SEPARATION					
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

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

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

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- (9) See App B for Emission Limits
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Process 5: OIL/WATER SEPARATION					
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				

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 (2) (2A) (2B) Denotes RECLAIM emission rate
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 (5) (5A) (5B) Denotes command and control emission limit
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Process 5: OIL/WATER SEPARATION					
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				

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Process 5: OIL/WATER SEPARATION					
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				

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|---|---|
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Process 5: OIL/WATER SEPARATION					
PUMP, P-XX, SUMP, 7.5 HP, BOILER	D543				

* (1) (1A) (1B) Denotes RECLAIM emission factor
 (2) (2A) (2B) Denotes RECLAIM emission rate
 (3) Denotes RECLAIM concentration limit
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Process 5: OIL/WATER SEPARATION					
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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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 5: OIL/WATER SEPARATION					
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				
System 2: SLUDGE DEWATERING					S1.2

* (1) (1A) (1B) Denotes RECLAIM emission factor
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 (3) Denotes RECLAIM concentration limit
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Process 5: OIL/WATER SEPARATION					
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 ENCLOSURE, CENTRIFUGE UNIT, WIDTH: 11 FT ; HEIGHT: 17 FT ; LENGTH: 21 FT A/N: 447671	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				
System 3: STORAGE SILO					

* (1) (1A) (1B) Denotes RECLAIM emission factor
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 (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
Process 5: OIL/WATER SEPARATION					
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				
Process 6: STORAGE TANKS					
System 1: FIXED ROOF STORAGE TANKS : SOUTHWEST TANK FARM					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

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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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- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 6: STORAGE TANKS					
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

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

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 6: STORAGE TANKS					
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
System 2: FIXED ROOF STORAGE TANKS : WASTEWATER TANKS					S15.4

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

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| <p>* (1) (1A) (1B) Denotes RECLAIM emission factor
 (3) Denotes RECLAIM concentration limit
 (5) (5A) (5B) Denotes command and control emission limit
 (7) Denotes NSR applicability limit
 (9) See App B for Emission Limits</p> | <p>(2) (2A) (2B) Denotes RECLAIM emission rate
 (4) Denotes BACT emission limit
 (6) Denotes air toxic control rule limit
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (10) See section J for NESHAP/MACT requirements</p> |
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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
Process 6: STORAGE TANKS					
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
System 4: FIXED ROOF STORAGE TANKS : RCRA FUEL & NAPHTHA TANKS					S15.5
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

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| <ul style="list-style-type: none"> * (1) (1A) (1B) Denotes RECLAIM emission factor (3) Denotes RECLAIM concentration limit (5) (5A) (5B) Denotes command and control emission limit (7) Denotes NSR applicability limit (9) See App B for Emission Limits | <ul style="list-style-type: none"> (2) (2A) (2B) Denotes RECLAIM emission rate (4) Denotes BACT emission limit (6) Denotes air toxic control rule limit (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.) (10) See section J for NESHAP/MACT requirements |
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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
Process 6: STORAGE TANKS					
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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| <p>* (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</p> | <p>(2) (2A) (2B) Denotes RECLAIM emission rate
 (4) Denotes BACT emission limit
 (6) Denotes air toxic control rule limit
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (10) See section J for NESHAP/MACT requirements</p> |
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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
Process 6: STORAGE TANKS					
System 5: FIXED ROOF STORAGE TANKS : PRODUCT TANKS					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
 (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
Process 6: STORAGE TANKS					
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
System 6: FIXED ROOF STORAGE TANKS : A-SERIES TANKS					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

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

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

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FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 6: STORAGE TANKS					
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				
System 7: FIXED ROOF STORAGE TANKS : N-SERIES TANKS					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
Process 7: LOADING AND UNLOADING RACKS					
System 1: USED OIL UNLOADING					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.)
- (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
Process 7: LOADING AND UNLOADING RACKS					
PUMP, TRANSFER, P-100A, P-100B, P-101A, P-101B, P-102A, P-102B, 25 HP EACH, 6 TOTAL A/N: 512564	D232				
System 2: WASTEWATER UNLOADING					S1.5
UNLOADING ARM, BOTTOM, TANK TRUCK, WASTEWATER, 12 TOTAL A/N: 494201	D242				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
System 3: USED GLYCOL UNLOADING					S1.3
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				
System 4: FUEL OIL CUTTER LOADING					S1.7, S15.9

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 (9) See App B for Emission Limits</p> | <p>(2) (2A) (2B) Denotes RECLAIM emission rate
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Process 7: LOADING AND UNLOADING RACKS					
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				
System 5: NAPHTHA LOADING					S1.6, S13.3, S15.9
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				
System 6: MARINE DIESEL OIL LOADING					S1.8, S15.9
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				
System 7: ASPHALT FLUX LOADING - RACK NO. 4					S1.1, S15.9
LOADING ARM, BOTTOM, TANK TRUCK, ASPHALT FLUX, 2 TOTAL A/N: 511874	D20				B22.3, E336.3, K67.4

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|---|---|
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 (7) Denotes NSR applicability limit
 (9) See App B for Emission Limits</p> | <p>(2) (2A) (2B) Denotes RECLAIM emission rate
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FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

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Process 7: LOADING AND UNLOADING RACKS					
PUMP, FLUX SHIPPING, P-103, 25 HP A/N: 511874	D21				
System 8: ASPHALT FLUX LOADING - RACK NO. 7					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				
System 9: RCRA FUEL LOADING AND UNLOADING					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				
Process 8: STEAM GENERATION					

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 (2) (2A) (2B) Denotes RECLAIM emission rate
 (3) Denotes RECLAIM concentration limit
 (4) Denotes BACT emission limit
 (5) (5A) (5B) Denotes command and control emission limit
 (6) Denotes air toxic control rule limit
 (7) Denotes NSR applicability limit
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 8: STEAM GENERATION					
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
Process 9: AIR POLLUTION CONTROL					
System 1: VAPOR RECOVERY SYSTEM - NORTH TANK FARMS					S15.2, S18.6

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| * (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
Process 9: AIR POLLUTION CONTROL					
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
System 2: VAPOR RECOVERY SYSTEM - SOUTH TANK FARMS					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				

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(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 9: AIR POLLUTION CONTROL					
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
System 3: CAUSTIC SCRUBBER - PROCESS WASTE GAS					S15.2, S18.2
KNOCK OUT POT, KO-703, HEIGHT: 7 FT 4 IN; DIAMETER: 1 FT 10 IN A/N: 514876	D295	D128			

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- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
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Process 9: AIR POLLUTION CONTROL					
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				

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Process 9: AIR POLLUTION CONTROL					
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			
System 4: CAUSTIC SCRUBBER SERVING ASPHALT BLOWING STILL					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				
System 5: VAPOR RECOVERY SYSTEM - RCRA FUEL & NAPHTHA TANKS					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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Process 9: AIR POLLUTION CONTROL					
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
System 7: AFTERBURNER					
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
System 8: VAPOR RECOVERY SYSTEM - WASTEWATER TREATMENT					
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

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 (5) (5A) (5B) Denotes command and control emission limit
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Process 9: AIR POLLUTION CONTROL					
BLOWER, VACUUM, BL-703B, 15 HP A/N: 462575	D287	C142 C281			D90.6, K67.11
System 9: VAPOR RECOVERY SYSTEM - FRONT LOADING RACKS					S13.3, S15.2, S18.8
VAPOR RETURN LINE, 5 TOTAL A/N: 493608	C17	D315			
VAPOR RETURN LINE, 5 TOTAL A/N: 493608	C22	D314			
KNOCK OUT POT, KO-100, HEIGHT: 3 FT 4 IN; DIAMETER: 1 FT 6 IN A/N: 493608	D315	C17			
KNOCK OUT POT, KO-101, HEIGHT: 3 FT 4 IN; DIAMETER: 1 FT 6 IN A/N: 493608	D314	C22			
KNOCK OUT POT, KO-102, HEIGHT: 6 FT 8 IN; DIAMETER: 2 FT A/N: 493608	D207				
POT, SEAL, SP-100, HEIGHT: 6 FT ; DIAMETER: 2 FT A/N: 493608	D208				
BLOWER, VACUUM, BL-704, 7.5 HP A/N: 493608	D198	C142 C281			D90.6, K67.11
System 10: VAPOR RECOVERY SYSTEM - VACUUM TRUCK WASHOUT					
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
Process 9: AIR POLLUTION CONTROL					
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
System 11: VAPOR RECOVERY SYSTEM - ASPHALT FLUX LOADING RACK NO. 7					S15.2, S18.3
VAPOR RETURN LINE A/N: 493609	C18	D318			
KNOCK OUT POT, KO-400, HEIGHT: 12 FT ; DIAMETER: 3 FT A/N: 493609	D318	C18			
KNOCK OUT POT, KO-401, HEIGHT: 10 FT ; DIAMETER: 3 FT A/N: 493609	D317				
POT, SEAL, SP-400, HEIGHT: 6 FT ; DIAMETER: 2 FT A/N: 493609	D316				
BLOWER, VACUUM, BL-707, 10 HP A/N: 493609	D288	C142 C281			D90.6, K67.11
System 12: VAPOR RECOVERY SYSTEM - SLUDGE DEWATERING					S15.2, S18.9
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				

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

** 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
Process 9: AIR POLLUTION CONTROL					
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			
Process 10: INTERNAL COMBUSTION ENGINE					
System 1: FIRE PUMP					
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
Process 11: MISCELLANEOUS					
System 1: ASPHALT BLOWING					
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
 (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
Process 11: MISCELLANEOUS					
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
System 2: CONTAINER CRUSHING					
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
System 3: PORTABLE ODOR CONTROL					
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
Process 11: MISCELLANEOUS					
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
Process 12: R-219 Exempt Equipment Subject to Source Specific Rules					
System 1: Miscellaneous					
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
 (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: 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

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D1	6	1	2
D2	6	1	2
D3	7	1	2
D5	12	2	1
D6	15	3	1
D7	14	3	1
D8	15	3	1
D9	15	3	1
D10	50	7	8
D11	15	3	1
D12	15	3	1
D13	15	3	1
D16	50	7	8
C17	57	9	9
C18	58	9	11
D19	50	7	8
D20	49	7	7
D21	50	7	7
C22	57	9	9
D23	25	5	1
D24	48	7	2
D25	24	5	1
D26	24	5	1
D27	24	5	1
D28	24	5	1
D29	23	5	1
D30	23	5	1
D31	27	5	1
D32	25	5	1
D33	25	5	1
C34	48	7	2
C35	48	7	2
D36	29	5	1
D37	29	5	1
D38	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
D44	27	5	1
D45	27	5	1
D46	28	5	1
D47	28	5	1
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
D73	37	6	1
D74	37	6	1
D75	45	6	5
D76	45	6	5
D77	44	6	5
D78	44	6	5
D79	42	6	2
D80	37	6	1
D81	38	6	1
D82	38	6	1
D83	38	6	1
D84	38	6	1
D85	41	6	2
D86	23	5	1
D87	41	6	2
D88	38	6	1
D89	43	6	4

**FACILITY PERMIT TO OPERATE
 DEMENNO/KERDOON
 SECTION D: DEVICE ID INDEX**

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D90	43	6	4
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
D106	44	6	5
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

**FACILITY PERMIT TO OPERATE
 DEMENNO/KERDOON**

SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D129	52	9	1
D130	52	9	1
D131	52	9	1
D132	1	1	1
D133	2	1	1
D134	52	9	2
D135	53	9	2
D136	53	9	2
C137	54	9	3
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

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D200	28	5	1
D201	29	5	1
D205	56	9	8
D206	56	9	8
D207	57	9	9
D208	57	9	9
D209	41	6	2
D210	40	6	1
D211	40	6	1
D212	40	6	1
D213	40	6	1
D214	40	6	1
D215	40	6	1
D216	39	6	1
D217	39	6	1
D218	39	6	1
D219	39	6	1
D220	39	6	1
D221	39	6	1
D222	39	6	1
D223	38	6	1
D224	38	6	1
D225	38	6	1
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

**FACILITY PERMIT TO OPERATE
 DEMENNO/KERDOON**

SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D238	6	1	2
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
D272	12	1	4
D274	57	9	10
C276	58	9	10
D277	57	9	10
D282	54	9	3
D283	52	9	2
D284	53	9	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
D285	56	9	8
D286	53	9	2
D287	57	9	8
D288	58	9	11
D289	59	9	12
D290	54	9	3
D291	53	9	2
D292	53	9	2
D293	55	9	5
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

**FACILITY PERMIT TO OPERATE
 DEMENNO/KERDOON**

SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D325	54	9	3
D326	1	1	1
D327	12	2	1
E328	61	12	1
D329	37	5	3
C330	37	5	3
D331	60	11	2
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

Device Index For Section D			
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**

Device Index For Section D			
Device ID	Section D Page No.	Process	System
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

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 H₂S).

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]

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
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
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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:

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:

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]

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:

S15.3 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.

[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:

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 - 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]

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.

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 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]

S15.9 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 - 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]

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:

S18.1 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:

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]

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:

S18.3 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)

[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]

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]

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 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)

[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:

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:

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]

[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

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 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.

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.

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 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]

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.

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.

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 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.

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.

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 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.

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.

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 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

[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.

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 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.

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]

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:

- 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.

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]

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:

- 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.

[**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)..

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 : 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.

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.

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 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]

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.

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:

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.

[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.

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:

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]

- 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.

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 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 1second downstream of the burner.

[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.

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:

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]

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.

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 : 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]

[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]**

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 : 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.

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.

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 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:

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]

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:

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.

[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.

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 : 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:

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]

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 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 : 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]

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]

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

SECTION E: ADMINISTRATIVE CONDITIONS

The operating conditions in this section shall apply to all permitted equipment at this facility unless superseded by condition(s) listed elsewhere in this permit.

1. The permit shall remain effective unless this permit is suspended, revoked, modified, reissued, denied, or it is expired for nonpayment of permit processing or annual operating fees. [201, 203, 209, 301]
 - a. The permit must be renewed annually by paying annual operating fees, and the permit shall expire if annual operating fees are not paid pursuant to requirements of Rule 301(d). [301(d)]
 - b. The Permit to Construct listed in Section H shall expire one year from the Permit to Construct issuance date, unless a Permit to Construct extension has been granted by the Executive Officer or unless the equipment has been constructed and the operator has notified the Executive Officer prior to the operation of the equipment, in which case the Permit to Construct serves as a temporary Permit to Operate. [202, 205]
 - c. The Title V permit shall expire as specified under Section K of the Title V permit. The permit expiration date of the Title V facility permit does not supercede the requirements of Rule 205. [205, 3004]
2. The operator shall maintain all equipment in such a manner that ensures proper operation of the equipment. [204]
3. This permit does not authorize the emissions 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 and Regulations of the AQMD. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other governmental agencies. [204]
4. The operator shall not use equipment identified in this facility permit as being connected to air pollution control equipment unless they are so vented to the identified air pollution control equipment which is in full use and which has been included in this permit. [204]

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

SECTION E: ADMINISTRATIVE CONDITIONS

5. The operator shall not use any equipment having air pollution control device(s) incorporated within the equipment unless the air pollution control device is in full operation.[204]
6. The operator shall maintain records to demonstrate compliance with rules or permit conditions that limit equipment operating parameters, or the type or quantity of material processed. These records shall be made available to AQMD personnel upon request and be maintained for at least: [204]
 - a. Three years for a facility not subject to Title V; or
 - b. Five years for a facility subject to Title V.
7. The operator shall maintain and operate all equipment to ensure compliance with all emission limits as specified in this facility permit. Compliance with emission limits shall be determined according to the following specifications, unless otherwise specified by AQMD rules or permit conditions: [204]
 - a. For internal combustion engines and gas turbines, measured concentrations shall be corrected to 15 percent stack-gas oxygen content on a dry basis and be averaged over a period of 15 consecutive minutes; [1110.2, 1134, 204]
 - b. For other combustion devices, measured concentrations shall be corrected to 3 percent stack-gas oxygen content on a dry basis and be averaged over a period of 15 consecutive minutes; [1146, 1146.1, 204]
 - c. For a large NO_x source, compliance with a RECLAIM concentration limit shall be measured over a continuous 60 minutes for that source; [2012]
 - d. For non-combustion sources, compliance with emission limits shall be determined and averaged over a period of 60 minutes. [204]

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

SECTION E: ADMINISTRATIVE CONDITIONS

- e. For the purpose of determining compliance with Rule 407, carbon monoxide (CO) shall be measured on a dry basis and be averaged over 15 consecutive minutes, and sulfur compound which would exist as liquid or gas at standard conditions shall be calculated as sulfur dioxide (SO₂) and be averaged over 15 consecutive minutes; [407]
 - f. For the purpose of determining compliance with Rule 409, combustion contaminant emission measurements shall be corrected to 12 percent carbon dioxide (CO₂) at standard conditions and averaged over 15 consecutive minutes. [409]
 - g. For the purpose of determining compliance with Rule 475, combustion contaminant emission measurements shall be corrected to 3 percent of oxygen (O₂) at standard conditions and averaged over 15 consecutive minutes or any other averaging time specified by the Executive Officer. [475]
8. All equipment operating under the RECLAIM program shall comply concurrently with all provisions of AQMD Rules and Regulation, except those listed in Table 1 of Rule 2001 for NO_x RECLAIM sources and Table 2 of Rule 2001 for SO_x RECLAIM sources. Those provisions listed in Tables 1 or 2 shall not apply to NO_x or SO_x emissions after the date the facility has demonstrated compliance with all monitoring and reporting requirements of Rules 2011 or 2012, as applicable. Provisions of the listed AQMD rules in Tables 1 or 2 which have initial implementation dates in 1994 shall not apply to a RECLAIM NO_x or SO_x source, respectively. [2001]
9. The operator shall, when a source test is required by AQMD, provide a source test protocol to AQMD no later than 60 days before the proposed test date. The test shall not commence until the protocol is approved by AQMD. The test protocol shall contain the following information: [204, 304]
- a. Brief description of the equipment tested.

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

SECTION E: ADMINISTRATIVE CONDITIONS

- b. Brief process description, including maximum and normal operating temperatures, pressures, through-put, etc.
 - c. Operating conditions under which the test will be performed.
 - d. Method of measuring operating parameters, such as fuel rate and process weight. Process schematic diagram showing the ports and sampling locations, including the dimensions of the ducts/stacks at the sampling locations, and distances of flow disturbances, (e.g. elbows, tees, fans, dampers) from the sampling locations (upstream and downstream).
 - e. Brief description of sampling and analytical methods used to measure each pollutant, temperature, flow rates, and moisture.
 - f. Description of calibration and quality assurance procedures.
 - g. Determination that the testing laboratory qualifies as an "independent testing laboratory" under Rule 304 (no conflict of interest).
10. The operator shall submit a report no later than 60 days after conducting a source test, unless otherwise required by AQMD Rules or equipment-specific conditions. The report shall contain the following information: [204]
- a. The results of the source test.
 - b. Brief description of the equipment tested.
 - c. Operating conditions under which the test will be performed.
 - d. Method of measuring operating parameters, such as fuel rate and process weight. Process schematic diagram showing the ports and sampling locations, including the dimensions of the ducts/stacks at the sampling locations, and distances of flow disturbances, (e.g. elbows, tees, fans, dampers) from the sampling locations (upstream and downstream).
 - e. Field and laboratory data forms, strip charts and analyses.

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

SECTION E: ADMINISTRATIVE CONDITIONS

- f. Calculations for volumetric flow rates, emission rates, control efficiency, and overall control efficiency.
- 11. The operator shall, when a source test is required, provide and maintain facilities for sampling and testing. These facilities shall comply with the requirements of AQMD Source Test Method 1.1 and 1.2. [217]
- 12. Whenever required to submit a written report, notification or other submittal to the Executive Officer, AQMD, or the District, the operator shall mail or deliver the material to: Deputy Executive Officer, Engineering and Compliance, AQMD, 21865 E. Copley Drive, Diamond Bar, CA 91765-4182. [204]

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS

The Facility shall comply with all applicable monitoring and source testing requirements in Regulation XX. These requirements may include but are not limited to the following:

I. NO_x Monitoring Conditions

A. The Operator of a NO_x Major Source, as defined in Rule 2012, shall, as applicable:

Not Applicable

B. The Operator of a NO_x large Source, as defined in Rule 2012, shall, as applicable:

1. Install, maintain, and operate a totalizing fuel meter and any device specified by the Executive Officer as necessary to determine monthly fuel usage or other applicable variables specified in Rule 2012, Appendix A, Table 3-A. The sharing of totalizing fuel meter may be allowed by the Executive Officer if the fuel meter serves large sources which have the same emission factor, concentration limit, or emission rate. The sharing of totalizing fuel meters shall not be allowed for large sources which are required to comply with an annual heat input limit. [2012]
2. Comply at all times with the specified NO_x concentration limit in PPM measured over any continuous 60 minutes for that source or establish an equipment-specific emission rate that is reliable, accurate, representative of that sources emissions, and in accordance with the requirements specified in Rule 2012, Appendix A, Chapter 5. [2012]

C. The Operator of a NO_x Process Unit, as defined in Rule 2012, shall, as applicable:

1. Install, maintain, and operate a totalizing fuel meter or any device approved by the Executive Officer to measure quarterly fuel usage or other applicable variables specified in Rule 2012, Table 2012-1, and Rule 2012, Appendix A, Table 4-A. The sharing of totalizing fuel meters may be allowed by the Executive Officer if the fuel meter serves process units which have the same emission factor or emission rate. The sharing of totalizing meter shall not be allowed for process units which are required to comply with an annual heat input limit. [2012]

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS

II. NO_x Source Testing and Tune-up conditions

1. The operator shall conduct all required NO_x source testing in compliance with an AQMD-approved source test protocol. [2012]
2. The operator shall, as applicable, conduct source tests for every large NO_x source no later than June 30, 1997 and every 3 years thereafter. The source test shall include the determination of NO_x concentration and a relative accuracy audit of the exhaust stack flow determination (e.g. in-stack flow monitor or fuel flow monitor based F-factor calculation). Such source test results shall be submitted per the schedule described by APEP. In lieu of submitting the first source test report, the facility permit holder may submit the results of a source test not more than 3 years old which meets the requirements when conducted. [2012]
3. All NO_x large sources and NO_x process units shall be tuned-up in accordance with the schedule specified in Rule 2012, Appendix A, Chapter 5, Table 5-B. [2012]

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

SECTION G: RECORDKEEPING AND REPORTING REQUIREMENTS FOR RECLAIM SOURCES

The Facility shall comply with all applicable reporting and recordkeeping requirements in Regulation XX. These requirements may include but are not limited to the following:

I. Recordkeeping Requirements for all RECLAIM Sources

1. The operator shall maintain all monitoring data required to be measured or reported pursuant to Rule 2011 and Rule 2012, whichever is applicable. All records shall be made available to AQMD staff upon request and be maintained for at least:
 - a. Three years after each APEP report is submitted to AQMD for a facility not subject to Title V, unless a different time period is required in Rule 2011 or Rule 2012 [2011 & 2012]; or
 - b. Five years after each APEP report is submitted to AQMD for a facility subject to Title V. [3004(a)(4)(E)]
 - c. Notwithstanding the above, all data gathered or computed for intervals of less than 15 minutes shall only be maintained a minimum of 48 hours. [2011 & 2012]
2. The operator shall store on site and make available to the Executive Officer upon request: records used to determine emissions, maintenance records, sources test reports, relative accuracy test audit reports, relative accuracy audit reports and fuel meter calibration records. [2011 & 2012]

II. Reporting Requirements for all RECLAIM Sources

1. The operator shall submit a quarterly certification of emissions including the facility's total NO_x or SO_x emissions, whichever is applicable, for the quarter within 30 days after the end of the first three quarters and 60 days after the end of the fourth quarter of a compliance year. [2011 & 2012]

NO_x Reporting Requirements

A. The Operator of a NO_x Major Source, as defined in Rule 2012, shall, as applicable:

Not Applicable

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

SECTION G: RECORDKEEPING AND REPORTING REQUIREMENTS FOR RECLAIM SOURCES

B. The Operator of a NO_x Large Source, as defined in Rule 2012, shall:

1. Install, maintain and operate a modem or any reporting device approved by the Executive Officer to report, to the AQMD, the total monthly NO_x mass emissions from each large NO_x source. The Operator shall comply with this requirement within 12 months of the date of entry to the RECLAIM Program. Such data shall be reported within 15 days after the end of each calendar month. [2012]

C. The Operator of a NO_x Process Unit, as defined in Rule 2012, shall:

1. Electronically report the calculated quarterly NO_x emissions for each NO_x process unit. The Operator shall comply with this requirement within 12 months of the date of entry to the RECLAIM Program. [2012]

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 9: AIR POLLUTION CONTROL					
System 7: AFTERBURNER					
SCRUBBER, PACKED BED, CAUSTIC, ENVITECH, MODEL VT3.5-10-2, TWO STAGE, WITH MIST ELIMINATOR, MUNTERS, T-271, AND A QUENCH TOWER. WITH A COMMON STACK WITH DEVICE C301., HEIGHT: 45 FT ; DIAMETER: 3 FT 6 IN A/N: 502732 Permit to Construct Issued: 05/13/11	C300	C142			C8.6, C8.9, D82.1, E448.1, E448.2, K171.1
AFTERBURNER, 23.2 MMBTU/HR (PROCESS GAS AND NAT. GAS), 8.2 MMBTU/HR (NAT. GAS), A/N: 459837 Permit to Construct Issued: 09/14/10	C142	C139 D140 D195 D196 D197 D198 D226 D241 D284 D287 D288 D289 C300 D324	NOX: LARGE SOURCE**	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, D12.7, D28.1, D29.4, D323.1, E71.2, E71.3, E71.4, E448.1, H116.4, H116.5, H116.6, K171.1
System 13: AFTERBURNER					
SCRUBBER, PACKED BED, CAUSTIC, ENVITECH, MODEL VT7-10-2, TWO STAGE, WITH MIST ELIMINATOR, MUNTERS, T-271, AND A QUENCH TOWER, WITH A COMMON STACK WITH DEVICE C300., HEIGHT: 50 FT ; DIAMETER: 7 FT A/N: 508214 Permit to Construct Issued: 05/13/11	C301	C281			C8.7, C8.9, D82.1, E448.1, E448.2, K171.1

- * (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 H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 9: AIR POLLUTION CONTROL					
AFTERBURNER, ZEECO, WITH URS CORP. BURNER, MODEL RMBF-9-NG, 24 MMBTU/HR (PROCESS GAS AND NAT., GAS), 9 MMBTU/HR (NAT. GAS), WITH A HEAT RECOVERY UNIT. A/N: 501494 Permit to Construct Issued: 01/21/10	C281	C139 D140 D141 D195 D196 D197 D198 D284 D287 D288 D289 C301 D324	NOX: LARGE SOURCE**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 50 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005]; 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]	C4.3, C8.5, D12.5, D12.7, D28.1, D28.2, D28.3, D29.3, D323.1, E71.2, E71.4, E448.1, H116.4, H116.5, H116.6, K171.1

* (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 H: DEVICE ID INDEX

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

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

SECTION H: DEVICE ID INDEX

Device Index For Section H			
Device ID	Section H Page No.	Process	System
C142	1	9	7
C281	2	9	13
C300	1	9	7
C301	1	9	13

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

FACILITY CONDITIONS

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

CONTAMINANT	EMISSIONS LIMIT
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.

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

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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 H₂S).

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]

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.

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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

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

SYSTEM CONDITIONS

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

- 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.

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]

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

- 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.

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.

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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]

[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.

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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.

[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 H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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]

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
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]

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

[Systems subject to this condition : Process 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:

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.

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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 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.

[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:

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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 - 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]

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]

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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

All 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 H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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)

[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]

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)

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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 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)

[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)

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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 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]

[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]

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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

C. Throughput or Operating Parameter Limits

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]

C4.3 The operator shall limit the residence time to no less than 1.0 seconds.

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

[Devices subject to this condition : C281]

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 1second downstream of the burner.

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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, C281]

C8.6 The operator shall use this equipment in such a manner that the flow rate being monitored, as indicated below, is not less than 60 gpm.

The flow rate limit is the average over 15 minutes.

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

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

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

The continuous monitoring system shall include visual and audio alarms.

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

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 407, 4-2-1982; RULE 431.1, 6-12-1998]

[Devices subject to this condition : C300]

C8.7 The operator shall use this equipment in such a manner that the flow rate being monitored, as indicated below, is not less than 200 gpm.

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

The flow rate limit is the average over 15 minutes.

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

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

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

The continuous monitoring system shall include visual and audio alarms.

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

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 407, 4-2-1982; RULE 431.1, 6-12-1998]

[Devices subject to this condition : C301]

- C8.9 The operator shall use this equipment in such a manner that the pH being monitored, as indicated below, is not less than 6 of the pH scale.

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

The pH limit is the average over 15 minutes.

To comply with this condition, the operator shall install and maintain a(n) pH meter to accurately indicate the pH of the scrubbing solution for each stage.

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

The continuous monitoring system shall include visual and audio alarms.

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

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

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

[Devices subject to this condition : C300, C301]

D. Monitoring/Testing Requirements

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]

[Devices subject to this condition : C142, C281]

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

D12.7 The operator shall install and maintain a(n) stack flow monitor to accurately indicate the flow rate from the afterburner stack to provide continuous and cumulative actual flow volume. Such a stack flow monitor shall be certified by the District pursuant to a District-approved protocol. The operator shall submit an application for certification of the stack flow monitor no later than 60 days after the initial start-up of the stack flow monitor unless otherwise approved in writing by the District.

Prior to the initial source test, NOX emissions from the afterburner shall be calculated using the emission factor of 130 lbs/mmescf.

After the initial source test (conducted in accordance with the methodology specified in Rule 2012, Appendix A, Chapter 5), NOX emissions from the afterburner shall be calculated using the NOX RECLAIM concentration determined by the source test and the stack flow rate at stack conditions (no correction for oxygen) by using Rule 2012 Appendix A, Chapter 3, equations 17b and 17c.

When valid exhaust flow rate of an afterburner is not obtained from the stack flow monitor, substituted data for the exhaust flow rate for the afterburner shall be determined by using procedures in the certification letter for the continuous exhaust flow monitor and the missing data procedures applicable to flow as set forth in Rule 2012 Appendix A, Chapter 3, Section K(2).

[RULE 2012, 5-6-2005]

[Devices subject to this condition : C142, C281]

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]

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

[Devices subject to this condition : C142, C281]

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

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

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

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

The test shall be conducted to determine the CO emissions at 100% of the units rated capacity using District Method 100.1 over a 60 minute averaging time period. For device C281, the CO emissions shall be determined at normal operating load.

The test shall be conducted in accordance with an approved source test protocol. The source test report shall be submitted to the District within 60 days from the date of the testing.

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

[Devices subject to this condition : C281]

D28.3 The operator shall conduct source test(s) in accordance with the following specifications:

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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

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

The test shall be conducted to determine the CO, NOx, PM and SOx emissions at the outlet. Emissions of CO, NOx and SOx shall be expressed in lbs/hr and ppmv. Emissions of PM shall be expressed in lbs/hr and gr/scf.

The test shall be conducted at least 90 days after the protocol is approved by the District but no later than 180 days after the initial start-up. Source test report shall be submitted no later than 60 days from the date of the testing.

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

[Devices subject to this condition : C281]

D29.3 The operator shall conduct source test(s) for the pollutant(s) identified below.

Pollutant(s) to be tested	Required Test Method(s)	Averaging Time	Test Location
NOX emissions	Approved District method	District-approved averaging time	Outlet

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

The test(s) of NOX emissions shall be conducted to establish a NOX concentration limit at the actual stack condition for NOX mass emission calculations pursuant to Rule 2012, Appendix A, Chapter 3, Section (D)(2)(a)(iii).

A source test protocol shall be submitted to the District no later than 30 days after the initial start-up of the stack flow monitor unless otherwise approved in writing by the District. The test protocol shall be approved in writing by the District before the test commences.

The source test(s) shall be conducted no later than 180 days after the initial start-up of the stack flow monitor unless otherwise approved in writing by the District.

A written notice of the source test(s) shall be submitted to the District at least 14 days prior to source testing date so that an observer from the District may be present.

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

[Devices subject to this condition : C281]

D29.4 The operator shall conduct source test(s) for the pollutant(s) identified below.

Pollutant(s) to be tested	Required Test Method(s)	Averaging Time	Test Location

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

The test(s) of NOX emissions shall be conducted to establish a NOX concentration limit at the actual stack condition for NOX mass emission calculations pursuant to Rule 2012, Appendix A , Chapter 3, Section (D)(2)(a) (iii).

A source test protocol shall be submitted to the District no later than 30 days from the date of this permit unless otherwise approved in writing by the District. The test prtocol shall be approved in writing by the District before the test commences.

The source test(s) shall be conducted no later than 90 days from the date of this permit unless otherwise approved in writing by the District.

A written notice of the source test(s) shall be submitted to the District at least 14 days prior to source testing date so that an observer from the District may be present.

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

[Devices subject to this condition : C142]

D82.1 The operator shall install and maintain a CEMS to measure the following parameters:

The CEMS shall be installed and maintained to measure exhaust gas SOX emissions.

The exhaust gas SOX emissions shall be in compliance with the District Rule 431.1 requirements.

The CEMS used for monitoring the exhaust gas SOX emissions shall comply with the District Rule 431.1 Attachment A requirements.

The equipment shall be operated in compliance with the applicable District Rule 431.1 Monitoring, Reporting and Recordkeeping Requirements.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 431.1, 6-12-1998]

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

[Devices subject to this condition : C300, C301]

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 H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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 : C142, C281]

E. Equipment Operation/Construction Requirements

E71.2 The operator shall only operate this equipment to process waste gas when the natural gas burner is in operation.

[RULE 204, 10-8-1993]

[Devices subject to this condition : C142, C281]

E71.3 The operator shall only operate this equipment for standby once the new afterburner C281 is commenced operation.

[RULE 204, 10-8-1993]

[Devices subject to this condition : C142]

E71.4 The operator shall not operate this equipment unless the operator demonstrates to the Executive officer that the facility holds sufficient RTCs (12,571 lbs/year) to offset the annual emission increase for the first compliance year 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 first compliance year of operation, the facility holds sufficient RTCs in an amount equal to the annual emission increase (12,571 lbs/year).

[RULE 2005, 5-6-2005]

[Devices subject to this condition : C142, C281]

E448.1 The operator shall comply with the following requirements:

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

The operator shall operate only one afterburner (Device Nos. C-142 or C-281) at any one time except during afterburner switchover. Switchover time (including but not limited to emergency, maintenance or testing) shall not exceed 6 hours per day and 12 times per year.

These limits shall not apply during the initial start-up period of the SO_x scrubbers (Device Nos. C-300 and C-301) not to exceed 168 hours during a 30 day period or for curing of new refractory when no vapors are processed or as otherwise approved by the AQMD.

Switchover period shall be defined as switching from one afterburner to another and back to the original afterburner.

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

[Devices subject to this condition : C142, C281, C300, C301]

E448.2 The operator shall comply with the following requirements:

The concentration by volume, at the exhaust stack of the scrubbers (dry basis, zero percent O₂), of sulfur compounds in ppmv as SO₂ shall not exceed 12 ppmv averaged over 24 hours.

The mass, at the exhaust stack of the scrubbers, of sulfur compounds as SO₂ shall not exceed 6.7 pounds per day.

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

[Devices subject to this condition : C300, C301]

H. Applicable Rules

H116.4 The operator shall maintain this equipment to achieve a minimum control efficiency of 98 percent for VOC and Organic HAPs in order to comply with District rules and regulations whenever any of the equipment it vents is in operation.

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

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

[Devices subject to this condition : C142, C281]

H116.5 The operator shall , upon completion of construction of a sulfur scrubber and the expiration of the initial start-up period described in Condition E448.1, vent this equipment to a sulfur scrubber that has been issued a permit by the District which is in full operation in order to comply with District Rule 431.1 whenever this equipment is in operation.

[RULE 431.1, 6-12-1998]

[Devices subject to this condition : C142, C281]

H116.6 The operator shall determine the VOC concentration on a monthly basis to demonstrate compliance with the VOC limit at the exhaust of the control equipment in order to comply with offsets requirements whenever the afterburners are in operation. If compliance is demonstrated for three consecutive months, then grab sampling and analysis shall be conducted on a quarterly basis. If the quarterly analysis shows non-compliance, then the grab sampling schedule shall be reverted to monthly basis.

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

[Devices subject to this condition : C142, C281]

K. Record Keeping/Reporting

K171.1 The operator shall provide to the District the following items:

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

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

[Devices subject to this condition : C142, C281, C300, C301]

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 NO_x or SO_x 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 NO_x or SO_x 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

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 91765-4178
(909) 396-2000 • www.aqmd.gov

May 20, 2011

Alok Das
Environmental Engineering Manager
DeMenno/Kerdoon
2000 N. Alameda Street
Compton, CA 90222

Re: Rule 1173 Compliance Plan
Application Number: 476345
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 #476345) for the evaluation of your facility's Rule 1173 compliance plan dated December 13, 2007, 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

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

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

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

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 = Cp/Cv = 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

VOC = weight percent VOC in the released gas

W_s = Flow through the PRD, lb/sec

W_{voc} = Flow of VOCs through the PRD

W_{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

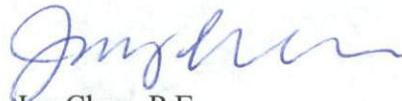
t = Recorded Duration of Release in Seconds by Electronic Monitoring Device

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 476345

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	3	4	25
D188	C207	Vacuum Unit #1	3	4	40
D236	C205	Vacuum Unit #2	3	4	40
D178	C206	Vacuum Dehydration Vessel	3	4	25
D141	D205	Emergency Waste Knock-Out Pot	3	4	15
C281	Dowtherm Return Line	New Afterburner	6	8	175
C281	Expansion Drum	New Afterburner	1.5	3	175

**FACILITY PERMIT TO OPERATE
DEMENNO/KERDOON**

SECTION J: AIR TOXICS

NOT APPLICABLE

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

SECTION K: TITLE V Administration

GENERAL PROVISIONS

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

Permit Renewal and Expiration

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

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

Duty to Provide Information

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

Payment of Fees

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

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

SECTION K: TITLE V Administration

Reopening for Cause

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

COMPLIANCE PROVISIONS

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

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

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

SECTION K: TITLE V Administration

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

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

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

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

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

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

SECTION K: TITLE V Administration

14. The operator shall not build, erect, install, or use any equipment, the use of which, without resulting in a reduction in the total release of air contaminants to atmosphere, reduces or conceals an emission which would otherwise constitute a violation of Chapter 3 (commencing with Section 41700) of Part 4, of Division 26 of the California Health and Safety Code or of AQMD rules. This rule shall not apply to cases in which the only violation involved is of Section 41700 of the California Health and Safety Code, or Rule 402 of AQMD Rules. [408]
15. Nothing in this permit or in any permit shield can alter or affect:
- (A) Under Section 303 of the federal Clean Air Act, the provisions for emergency orders;
 - (B) The liability of the operator for any violation of applicable requirements prior to or at the time of permit issuance;
 - (C) The applicable requirements of the Acid Rain Program, Regulation XXXI;
 - (D) The ability of EPA to obtain information from the operator pursuant to Section 114 of the federal Clean Air Act;
 - (E) The applicability of state or local requirements that are not "applicable requirements", as defined in Rule 3000, at the time of permit issuance but which do apply to the facility, such as toxics requirements unique to the State; and
 - (F) The applicability of regulatory requirements with compliance dates after the permit issuance date. [3004(c)(3)]
16. For any portable equipment that requires an AQMD or state permit or registration, excluding a) portable engines, b) military tactical support equipment and c) AQMD-permitted portable equipment that are not a major source, are not located at the facility for more than 12 consecutive months after commencing operation, and whose operation does not conflict with the terms or conditions of this Title V permit: 1) the facility operator shall keep a copy of the AQMD or state permit or registration; 2) the equipment operator shall comply with the conditions on the permit or registration and all other regulatory requirements; and 3) the facility operator shall treat the permit or registration as a part of its Title V permit, subject to recordkeeping, reporting and certification requirements. [3004(a)(1)]

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

SECTION K: TITLE V Administration EMERGENCY PROVISIONS

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

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

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

SECTION K: TITLE V Administration RECORDKEEPING PROVISIONS

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

REPORTING PROVISIONS

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

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

SECTION K: TITLE V Administration

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

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

SECTION K: TITLE V Administration

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

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

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

PERIODIC MONITORING

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

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

SECTION K: TITLE V Administration

FACILITY RULES

This facility is subject to the following rules and regulations

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

RULE SOURCE	Adopted/Amended Date	FEDERAL Enforceability
RULE 1107	1-6-2006	Non federally enforceable
RULE 1107	11-9-2001	Federally enforceable
RULE 1110.2	2-1-2008	Non federally enforceable
RULE 1113	11-8-1996	Federally enforceable
RULE 1113	7-13-2007	Non federally enforceable
RULE 1122	10-1-2004	Federally enforceable
RULE 1122	5-1-2009	Non federally enforceable
RULE 1146	11-17-2000	Federally enforceable
RULE 1146	9-5-2008	Non federally enforceable
RULE 1149	5-2-2008	Non federally enforceable
RULE 1149	7-14-1995	Federally enforceable
RULE 1155	12-4-2009	Non federally enforceable
RULE 1171	11-7-2003	Federally enforceable
RULE 1171	5-1-2009	Non federally enforceable
RULE 1173	2-6-2009	Non federally enforceable
RULE 1173	5-13-1994	Federally enforceable
RULE 118	12-7-1995	Non federally enforceable
RULE 1303(a)(1)-BACT	12-6-2002	Non federally enforceable
RULE 1303(a)(1)-BACT	5-10-1996	Federally enforceable
RULE 1303(a)-BACT	5-10-1996	Federally enforceable
RULE 1303(b)(2)-Offset	12-6-2002	Non federally enforceable
RULE 1303(b)(2)-Offset	5-10-1996	Federally enforceable

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

SECTION K: TITLE V Administration

RULE SOURCE	Adopted/Amended Date	FEDERAL Enforceability
RULE 1304(a)-Modeling and Offset Exemption	6-14-1996	Federally enforceable
RULE 1401	9-10-2010	Non federally enforceable
RULE 1470	6-1-2007	Non federally enforceable
RULE 2005	10-15-1993	Federally enforceable
RULE 2005	4-20-2001	Federally enforceable
RULE 2005	5-6-2005	Federally enforceable
RULE 2012	5-6-2005	Federally enforceable
RULE 204	10-8-1993	Federally enforceable
RULE 217	1-5-1990	Federally enforceable
RULE 219	9-4-1981	Federally enforceable
RULE 3002	11-14-1997	Federally enforceable
RULE 3003	11-14-1997	Federally enforceable
RULE 3004(a)(4)-Periodic Monitoring	12-12-1997	Federally enforceable
RULE 3005	11-14-1997	Federally enforceable
RULE 3007	10-8-1993	Federally enforceable
RULE 304	1-14-1982	Non federally enforceable
RULE 401	11-9-2001	Non federally enforceable
RULE 401	3-2-1984	Federally enforceable
RULE 402	5-7-1976	Non federally enforceable
RULE 404	2-7-1986	Federally enforceable
RULE 405	2-7-1986	Federally enforceable
RULE 407	4-2-1982	Federally enforceable
RULE 408	5-7-1976	Federally enforceable
RULE 409	8-7-1981	Federally enforceable
RULE 430	7-12-1996	Non federally enforceable
RULE 431.1	6-12-1998	Federally enforceable
RULE 431.2	5-4-1990	Federally enforceable
RULE 431.2	9-15-2000	Non federally enforceable
RULE 462	5-14-1999	Federally enforceable
RULE 463	5-6-2005	Federally enforceable
RULE 464	12-7-1990	Federally enforceable

**FACILITY PERMIT TO OPERATE
 DEMENNO/KERDOON**

SECTION K: TITLE V Administration

RULE SOURCE	Adopted/Amended Date	FEDERAL Enforceability
RULE 470	5-7-1976	Federally enforceable
RULE 701	6-13-1997	Federally enforceable
40CFR 60 Subpart A	5-16-2007	Federally enforceable
40CFR 60 Subpart Dc	2-27-2006	Federally enforceable
40CFR 60 Subpart IIII	7-11-2006	Federally enforceable
40CFR 60 Subpart Kb	10-15-2003	Federally enforceable
40CFR 60 Subpart UU	8-5-1983	Federally enforceable
40CFR 61 Subpart A	5-16-2007	Federally enforceable
40CFR 63 Subpart A	5-16-2007	Federally enforceable
40CFR 63 Subpart AAAAAAA	12-2-2009	Federally enforceable
40CFR 63 Subpart ZZZZ	1-18-2008	Federally enforceable

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

APPENDIX A: NOX AND SOX EMITTING EQUIPMENT EXEMPT FROM WRITTEN PERMIT PURSUANT TO RULE 219

1. HEATER, HOT PRESSURE WASHER, LPG, <2 MMBTU/HR
2. HEATER, HOT PRESSURE WASHER, LPG, <2 MMBTU/HR
3. WELDING MACHINE, GASOLINE

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

APPENDIX B: RULE EMISSION LIMITS [RULE 1107 01-06-2006]

Except as otherwise provided in Rule 1107

(1) VOC Content of Coatings

A person shall not apply to metal parts and products subject to the provisions of this rule any coatings, including any VOC-containing materials added to the original coating supplied by the manufacturer, which contain VOC in excess of the limits specified below:

VOC LIMITS								
Less Water and Less Exempt Compounds								
Effective Dates								
Coating	Air-Dried				Baked			
	gm/l		lb/gal		gm/l		lb/gal	
	Current	7/1/07	Current	7/1/07	Current	7/1/07	Current	7/1/07
General One-Component	275	275	2.3	2.3	275	275	2.3	2.3
General Multi-Component	340	340	2.8	2.8	275	275	2.3	2.3
Military Specification	340	340	2.8	2.8	275	275	2.3	2.3
Etching Filler	420	420	3.5	3.5	420	420	3.5	3.5
Solar-Absorbent	420	420	3.5	3.5	360	360	3.0	3.0
Heat-Resistant	420	420	3.5	3.5	360	360	3.0	3.0
Extreme High-Gloss	420	340	3.5	2.8	360	360	3.0	3.0
Metallic	420	420	3.5	3.5	420	420	3.5	3.5

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

APPENDIX B: RULE EMISSION LIMITS [RULE 1107 01-06-2006]

VOC LIMITS								
Less Water and Less Exempt Compounds								
Effective Dates, cont.								
Coating	Air-Dried				Baked			
	gm/l		lb/gal		gm/l		lb/gal	
	Current	7/1/07	Current	7/1/07	Current	7/1/07	Current	7/1/07
Extreme Performance	420	420	3.5	3.5	360	360	3.0	3.0
Prefabricated Architectural One-Component	420	275	3.5	2.3	275	275	2.3	2.3
Prefabricated Architectural Multi-Component	420	340	3.5	2.8	275	275	2.3	2.3
Touch Up	420	420	3.5	3.5	360	360	3.0	3.0
Repair	420	420	3.5	3.5	360	360	3.0	3.0
Silicone Release	420	420	3.5	3.5	420	420	3.5	3.5
High-Performance Architectural	420	420	3.5	3.5	420	420	3.5	3.5
Camouflage	420	420	3.5	3.5	420	420	3.5	3.5
Vacuum-Metalizing	420	420	3.5	3.5	420	420	3.5	3.5
Mold-Seal	420	420	3.5	3.5	420	420	3.5	3.5
High-Temperature	420	420	3.5	3.5	420	420	3.5	3.5
Electric-Insulating Varnish	420	420	3.5	3.5	420	420	3.5	3.5
Pan Backing	420	420	3.5	3.5	420	420	3.5	3.5
Pretreatment Coatings	420	420	3.5	3.5	420	420	3.5	3.5

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

APPENDIX B: RULE EMISSION LIMITS [RULE 1107 01-06-2006]

- (2) A person shall not use VOC-containing materials which have a VOC content of more than 200 grams per liter of material for stripping any coating governed by this rule.

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

APPENDIX B: RULE EMISSION LIMITS [RULE 1107 11-09-2001]

Except as otherwise provided in Rule 1107

(1) VOC Content of Coatings

A person shall not apply to metal parts and products subject to the provisions of this rule any coatings, including any VOC-containing materials added to the original coating supplied by the manufacturer, which contain VOC in excess of the limits specified below:

VOC LIMITS								
Less Water and Less Exempt Compounds								
Effective Dates								
Coating	Air-Dried				Baked			
	gm/l		lb/gal		gm/l		lb/gal	
	Current	7/1/07	Current	7/1/07	Current	7/1/07	Current	7/1/07
General One-Component	275	275	2.3	2.3	275	275	2.3	2.3
General Multi-Component	340	340	2.8	2.8	275	275	2.3	2.3
Military Specification	340	340	2.8	2.8	275	275	2.3	2.3
Etching Filler	420	420	3.5	3.5	420	420	3.5	3.5
Solar-Absorbent	420	420	3.5	3.5	360	360	3.0	3.0
Heat-Resistant	420	420	3.5	3.5	360	360	3.0	3.0
Extreme High-Gloss	420	340	3.5	2.8	360	360	3.0	3.0
Metallic	420	420	3.5	3.5	420	420	3.5	3.5

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

APPENDIX B: RULE EMISSION LIMITS [RULE 1107 11-09-2001]

Except as otherwise provided in Rule 1107

(1) VOC Content of Coatings

A person shall not apply to metal parts and products subject to the provisions of this rule any coatings, including any VOC-containing materials added to the original coating supplied by the manufacturer, which contain VOC in excess of the limits specified below:

VOC LIMITS								
Less Water and Less Exempt Compounds								
Effective Dates								
Coating	Air-Dried				Baked			
	gm/l		lb/gal		gm/l		lb/gal	
	Current	7/1/07	Current	7/1/07	Current	7/1/07	Current	7/1/07
General One-Component	275	275	2.3	2.3	275	275	2.3	2.3
General Multi-Component	340	340	2.8	2.8	275	275	2.3	2.3
Military Specification	340	340	2.8	2.8	275	275	2.3	2.3
Etching Filler	420	420	3.5	3.5	420	420	3.5	3.5
Solar-Absorbent	420	420	3.5	3.5	360	360	3.0	3.0
Heat-Resistant	420	420	3.5	3.5	360	360	3.0	3.0
Extreme High-Gloss	420	340	3.5	2.8	360	360	3.0	3.0
Metallic	420	420	3.5	3.5	420	420	3.5	3.5

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

APPENDIX B: RULE EMISSION LIMITS [RULE 1107 11-09-2001]

VOC LIMITS								
Less Water and Less Exempt Compounds								
Effective Dates, cont.								
Coating	Air-Dried				Baked			
	gm/l		lb/gal		gm/l		lb/gal	
	Cur rent	7/1/07	Current	7/1/07	Current	7/1/07	Current	7/1/07
Extreme Performance	420	420	3.5	3.5	360	360	3.0	3.0
Prefabricated Architectural One-Component	420	275	3.5	2.3	275	275	2.3	2.3
Prefabricated Architectural Multi-Component	420	340	3.5	2.8	275	275	2.3	2.3
Touch Up	420	420	3.5	3.5	360	360	3.0	3.0
Repair	420	420	3.5	3.5	360	360	3.0	3.0
Silicone Release	420	420	3.5	3.5	420	420	3.5	3.5
High-Performance Architectural	420	420	3.5	3.5	420	420	3.5	3.5
Camouflage	420	420	3.5	3.5	420	420	3.5	3.5
Vacuum-Metalizing	420	420	3.5	3.5	420	420	3.5	3.5
Mold-Seal	420	420	3.5	3.5	420	420	3.5	3.5
High-Temperature	420	420	3.5	3.5	420	420	3.5	3.5
Electric-Insulating Varnish	420	420	3.5	3.5	420	420	3.5	3.5
Pan Backing	420	420	3.5	3.5	420	420	3.5	3.5
Pretreatment Coatings	420	420	3.5	3.5	420	420	3.5	3.5

- (2) A person shall not use VOC-containing materials which have a VOC content of more than 200 grams per liter of material for stripping any coating governed by this rule.

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

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

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

TABLE OF STANDARDS

VOC LIMITS

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

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

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

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

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

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

TABLE OF STANDARDS (cont.)

VOC LIMITS

Grams of VOC Per Liter of Material

COATING	Limit
Low-Solids Coating	120

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 07-13-2007]

- (1) Except as provided in paragraphs (c)(2), (c)(3), (c)(4), and specified coatings averaged under (c)(6), no person shall supply, sell, offer for sale, manufacture, blend, or repackage any architectural coating for use in the District which, at the time of sale or manufacture, contains more than 250 grams of VOC per liter of coating (2.08 pounds per gallon), less water, less exempt compounds, and less any colorant added to tint bases, and no person shall apply or solicit the application of any architectural coating within the District that exceeds 250 grams of VOC per liter of coating as calculated in this paragraph.
- (2) Except as provided in paragraphs (c)(3), (c)(4), and designated coatings averaged under (c)(6), no person shall supply, sell, offer for sale, manufacture, blend, or repackage, for use within the District, any architectural coating listed in the Table of Standards which contains VOC (excluding any colorant added to tint bases) in excess of the corresponding VOC limit specified in the table, after the effective date specified, and no person shall apply or solicit the application of any architectural coating within the District that exceeds the VOC limit as specified in this paragraph. No person shall apply or solicit the application within the District of any industrial maintenance coatings, except anti-graffiti coatings, for residential use or for use in areas such as office space and meeting rooms of industrial, commercial or institutional facilities not exposed to such extreme environmental conditions described in the definition of industrial maintenance coatings; or of any rust-preventative coating for industrial use, unless such a rust preventative coating complies with the Industrial Maintenance Coating VOC limit specified in the Table of Standards.

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 07-13-2007] TABLE OF STANDARDS VOC LIMITS

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

COATING CATEGORY	Ceiling Limit*	Current Limit	Effective Date					
			1/1/03	1/1/04	1/1/05	7/1/06	7/1/07	7/1/08
Bond Breakers	350							
Clear Wood Finishes	350					275		
Varnish	350					275		
Sanding Sealers	350					275		
Lacquer	680	550			275			
Clear Brushing Lacquer	680				275			
Concrete-Curing Compounds	350						100	
Concrete-Curing Compounds For Roadways and Bridges**	350							
Dry-Fog Coatings	400						150	
Fire-Proofing Exterior Coatings	450	350						
Fire-Retardant Coatings***								
Clear	650							
Pigmented	350							
Flats	250	100						50
Floor Coatings	420		100			50		
Graphic Arts (Sign) Coatings	500							
Industrial Maintenance (IM) Coatings	420			250		100		
High Temperature IM Coatings			420					
Zinc-Rich IM Primers	420		340			100		
Japans/Faux Finishing Coatings	700	350						
Magnesite Cement Coatings	600	450						
Mastic Coatings	300							
Metallic Pigmented Coatings	500							
Multi-Color Coatings	420	250						
Nonflat Coatings	250		150			50		

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 07-13-2007]

COATING CATEGORY	Ceiling Limit*	Current Limit	Effective Date					
			1/1/03	1/1/04	1/1/05	7/1/06	7/1/07	7/1/08
Nonflat High Gloss	250		150				50	
Pigmented Lacquer	680	550			275			
Pre-Treatment Wash Primers	780		420					
Primers, Sealers, and Undercoaters	350		200			100		
Quick-Dry Enamels	400		250			150	50	
Quick-Dry Primers, Sealers, and Undercoaters	350		200			100		
Recycled Coatings			250					
Roof Coatings	300		250		50			
Roof Coatings, Aluminum	500				100			
Roof Primers, Bituminous	350		350					
Rust Preventative Coatings	420		400			100		
Shellac								
Clear	730							
Pigmented	550							
Specialty Primers	350					250	100	
Stains	350		250				100	
Stains, Interior	250							
Swimming Pool Coatings								
Repair	650		340					
Other	340							
Traffic Coatings	250	150					100	
Waterproofing Sealers	400		250			100		
Waterproofing Concrete/Masonry Sealers	400					100		
Wood Preservatives								
Below-Ground	350							
Other	350							

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

** Does not include compounds used for curbs and gutters, sidewalks, islands, driveways and other miscellaneous concrete areas.

*** The Fire-Retardant Coating category will be eliminated on January 1, 2007 and subsumed by the coating category for which they are formulated.

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 07-13-2007]

TABLE OF STANDARDS (cont.) VOC LIMITS

Grams of VOC Per Liter of Material

COATING	Limit
Low-Solids Coating	120

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

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

(1) Solvent Requirements

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

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

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

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

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

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

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

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

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

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

(1) Solvent Requirements

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

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

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

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

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

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

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

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

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

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

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

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

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

TABLE 404(a)

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

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

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

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

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

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

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

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

APPENDIX B: RULE EMISSION LIMITS [RULE 405 02-07-1986]

The operator shall not discharge into the atmosphere from this equipment, solid particulate matter including lead and lead compounds in excess of the rate shown in Table 405(a).

Where the process weight per hour is between figures listed in the table, the exact weight of permitted discharge shall be determined by linear interpolation.

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

TABLE 405(a)

Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All Points of Process		Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All points of Process	
		Kilograms Per Hour	Pounds Per Hour			Kilograms Per Hour	Pounds Per Hour
100 or less	220 or less	0.450	0.99	9000	19840	5.308	11.7
150	331	0.585	1.29	10000	22050	5.440	12.0
200	441	0.703	1.55	12500	27560	5.732	12.6
250	551	0.804	1.77	15000	33070	5.982	13.2
300	661	0.897	1.98	17500	38580	6.202	13.7
350	772	0.983	2.17	20000	44090	6.399	14.1
400	882	1.063	2.34	25000	55120	6.743	14.9
450	992	1.138	2.51	30000	66140	7.037	15.5
500	1102	1.209	2.67	35000	77160	7.296	16.1
600	1323	1.340	2.95	40000	88180	7.527	16.6

FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

APPENDIX B: RULE EMISSION LIMITS [RULE 405 02-07-1986]

Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All Points of Process		Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All points of Process	
		Kilograms Per Hour	Pounds Per Hour			Kilograms Per Hour	Pounds Per Hour
700	1543	1.461	3.22	45000	99210	7.738	17.1
800	1764	1.573	3.47	50000	110200	7.931	17.5
900	1984	1.678	3.70	60000	132300	8.277	18.2
1000	2205	1.777	3.92	70000	154300	8.582	18.9
1250	2756	2.003	4.42	80000	176400	8.854	19.5
1500	3307	2.206	4.86	90000	198400	9.102	20.1
1750	3858	2.392	5.27	100000	220500	9.329	20.6
2000	4409	2.563	5.65	125000	275600	9.830	21.7
2250	4960	2.723	6.00	150000	330700	10.26	22.6
2500	5512	2.874	6.34	175000	385800	10.64	23.5
2750	6063	3.016	6.65	200000	440900	10.97	24.2
3000	6614	3.151	6.95	225000	496000	11.28	24.9
3250	7165	3.280	7.23	250000	551200	11.56	25.5
3600	7716	3.404	7.50	275000	606300	11.82	26.1
4000	8818	3.637	8.02	300000	661400	12.07	26.6
4500	9921	3.855	8.50	325000	716500	12.30	27.1
5000	11020	4.059	8.95	350000	771600	12.51	27.6
6000	13230	4.434	9.78	400000	881800	12.91	28.5
7000	15430	4.775	10.5	450000	992100	13.27	29.3
8000	17640	5.089	11.2	500000 or more	1102000 or more	13.60	30.0