



## FACILITY PERMIT TO OPERATE DEMENNO/KERDOON

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 7 : LOADING AND UNLOADING RACKS</b>					
<b>System 10 : USED GLYCOL LOADING</b>					S1.13, S15.8
LOADING ARM, BOTTOM, TANK TRUCK, USED GLYCOL A/N : 519868	D552				B22.5, E336.2, K67.4
PUMP, USED GLYCOL SHIPPING, AP-XXX, AIR-POWERED A/N : 519868	D553				
<b>Process 9 : AIR POLLUTION CONTROL</b>					
<b>System 9 : VAPOR RECOVERY SYSTEM – FRONT LOADING RACKS</b>					S13.3, S15.2, S18.8
VAPOR RETURN LINE, 5 TOTAL, 6 TOTAL A/N : 525368	C17	D315			
VAPOR RETURN LINE, 4 TOTAL A/N : 525368	C22	D314			
KNOCK OUT POT, KO-100, HEIGHT: 3 FT 4 IN; DIAMETER: 1 FT 6 IN A/N : 525368	D315	C17			
KNOCK OUT POT, KO-101, HEIGHT: 3 FT 4 IN; DIAMETER: 1 FT 6 IN A/N : 525368	D314	C22			
KNOCK OUT POT, KO-102, HEIGHT: 6 FT 8 IN; DIAMETER: 2 FT A/N : 525368	D207				
POT, SEAL, SP-100, HEIGHT: 6 FT; DIAMETER: 2 FT A/N : 525368	D208				
BLOWER, VACUUM, BL-704, 7.5 HP A/N : 525368	D198	C142 C281			D90.3, K67.11

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

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



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<b>Process 9 : AIR POLLUTION CONTROL</b>					
<b>System 11 : VAPOR RECOVERY SYSTEM – ASPHALT FLUX LOADING RACK No. 7</b>					S15.2, S18.3
VAPOR RETURN LINE A/N : 519869	C18	D318			
KNOCK OUT POT, KO-400, HEIGHT: 12 FT; DIAMETER: 3 FT A/N : 519869	D318	C18			
KNOCK OUT POT, KO-401, HEIGHT: 10 FT; DIAMETER: 3 FT A/N : 519869	D317				
POT, SEAL, SP-400, HEIGHT: 6 FT; DIAMETER: 2 FT A/N : 519869	D316				
BLOWER, VACUUM, BL-707, 10 HP A/N : 519869	D288	C142 C281			D90.3, K67.11
<b>Process 10 : INTERNAL COMBUSTION ENGINE</b>					
<b>System 1 : FIRE PUMP</b>					
INTERNAL COMBUSTION ENGINE, FIRE PUMP, DIESEL FUEL, JOHN DEERE, MODEL NO. JU6H-UFAD98, TURBOCHARGED & AFTERCOOLED, 315 BHP A/N 494498	D298		NOX: PROCESS UNIT**	<b>CO:</b> 2.6 GRAM/BHP-HR DIESEL (4)[ <b>RULE 1303(a)(1), 5-10-1996;</b> RULE 1303(a)(1), 12-6-2002];  <b>NOX:</b> 469 LBS/1000 GAL DIESEL (1)[ <b>RULE 2012, 5-6-2005;</b>  <b>NOX + ROG:</b> 3 GRAM/BHP-HR DIESEL (4)[ <b>RULE 1303(a)(1), 5-10-1996;</b> RULE 1303(a)(1), 12-6-2002];  <b>PM:</b> (9) [ <b>RULE 404, 2-7-1986;</b>  <b>PM10:</b> 0.15 GRAM/BHP-HR DIESEL (4)[ <b>RULE 1303(a)(1), 5-10-1996;</b> RULE 1303(a)(1), 12-6-2002]	B61.1, C1.4, D12.8, H23.10, I296.1, K67.8

\* (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 limits(e.g. NSPS, NESHAPS, etc.)  
 (9) See App B for Emission Limits (10) See Section J for NESHAP/MACT requirements

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



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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.

[**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]



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

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

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

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

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

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

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

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

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

- 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**]



## 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:

- F48.4 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

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

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

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

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



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

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

Contaminant	Rule	Rule/Subpart
VOC	District Rule	462

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

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

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 two afterburners is in full use and has a valid permit to receive 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]

S15.8 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 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 gases from this system.

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

[Systems subject to this condition : Process 7, System 8, 10]



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### 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)

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

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

[Systems subject to this condition : Process 9, System 11]

- 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)

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

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]



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

**DEVICE CONDITIONS**

**B. Material/Fuel Type Limits**

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

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

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

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

[Devices subject to this condition : D107, D108, D109, D110, D111, D112, D113, D336, D552]

B61.1 The operator shall only use diesel fuel containing the following 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]



## 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:

### C. Throughput or Operating Parameter Limits

C1.4 The operator shall limit the operating time to no more than 200 hours(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 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]

### D. Monitoring/Testing Requirements

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**; **40 CFR 60 Subpart IIII, 7-11-2006**]

[Devices subject to this condition : D298]

D90.6 The operator shall periodically monitor 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]



## 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:

### E. Equipment Operation/Construction Requirements

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 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 : D16, D552]

### H. Applicable Rules

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**]

[Devices subject to this condition : D298]



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

#### I. Administrative

~~1296.1 This equipment shall not be operated unless the operator demonstrates to the Executive Officer that the facility holds sufficient RTCs to offset the prorated annual emissions 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 emissions increase.~~

~~[RULE 2005, 5-6-2005]~~

~~[Devices subject to this condition : D298]~~

#### K. Recordkeeping/Reporting

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

- Materials loaded, unloaded, or stored.
- 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).

**[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 : D298 16, D20, D65, D66, D67, D68, D69, D70, D71, D72, D73, D74, D75, D76, D77, D78, D79, D80, D81, D82, D83, D84, D85, D87, D88, D89, D90, D91, D92, D93, D94, D95, D99, D100, D101, D103, D104, D105, D106, D107, D108, D109, D110, D111, D112, D113, D209, D210, D211, D212, D213, D214, D215, D216, D217, D218, D219, D220, D221, D222, D223, D224, D225, D227, D229, D231, D233, D235, D242, D309, D336, D338, D552]



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

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

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]

K67.11 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]