



# South Coast Air Quality Management District



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

July 20, 2010

Mr. Bryan Hardwick  
HES Specialist  
111 W. Ocean Blvd., Suite 800  
Long Beach, CA 90802

**SUBJECT:** RECLAIM/Title V Facility Permit Revision (Facility ID: 800325)

Dear Mr. Hardwick:

Please find attached the revised Title Page, Table of Contents, and Section A, and a reprint of the unrevised sections of your RECLAIM/Title V Facility Permit. This revised Section A reflects the approval of the administrative permit revision requested in your Application No. 509475 to change the responsible official, contact, and mailing address for your facility.

Please review the attached revised sections carefully. Questions concerning changes to your permit should be directed to Ms. Vicky Lee at (909) 396-2284.

Sincerely,

A handwritten signature in black ink, appearing to read 'Brian L. Yeh', written over a diagonal line.

Brian L. Yeh  
Senior Manager  
General Commercial and Energy Team  
Engineering and Compliance

BLY:AYL:RGC:VL  
Attachment

cc: Gerardo Rios, EPA Region IX



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

Title Page	
Facility ID:	800325
Revision #:	29
Date:	July 16, 2010

## FACILITY PERMIT TO OPERATE

**TIDELANDS OIL PRODUCTION CO  
949 PIER G AVE  
LONG BEACH, CA 90802**

### 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

B  
Mohsen Nazemi, P.E.  
Deputy Executive Officer  
Engineering & Compliance



**FACILITY PERMIT TO OPERATE  
TIDELANDS OIL PRODUCTION CO**

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**FACILITY PERMIT TO OPERATE  
TIDELANDS OIL PRODUCTION CO**

**SECTION A: FACILITY INFORMATION**

**LEGAL OWNER &/OR OPERATOR:** TIDELANDS OIL PRODUCTION CO

**LEGAL OPERATOR (if different than owner):**

**EQUIPMENT LOCATION:** 949 PIER G AVE  
LONG BEACH, CA 90802

**MAILING ADDRESS:** 111 W. OCEAN BLVD STE 800  
LONG BEACH, CA 90802

**RESPONSIBLE OFFICIAL:** CHARLES PLANT

**TITLE:** VICE PRESIDENT, PRODUCTION

**TELEPHONE NUMBER:** (562) 624-3202

**CONTACT PERSON:** BRYAN HARDWICK

**TITLE:** HES SPECIALIST

**TELEPHONE NUMBER:** (562) 477-2649

**INITIAL TITLE V PERMIT ISSUED:** June 01, 2008

**TITLE V PERMIT EXPIRATION DATE:** May 31, 2013

<b>TITLE V</b>	<b>RECLAIM</b>
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<b>YES</b>	<b>NOx:</b>	<b>YES</b>
	<b>SOx:</b>	<b>NO</b>
	<b>CYCLE:</b>	<b>2</b>
	<b>ZONE:</b>	<b>COASTAL</b>



**FACILITY PERMIT TO OPERATE  
TIDELANDS OIL PRODUCTION CO**

**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 <sup>1</sup> Holding as of 07/01/2010 (pounds)	Non-Tradable <sup>2</sup> Non-Usable RTCs (pounds)
7/2007 6/2008	Coastal	51362	16333	0
7/2008 6/2009	Coastal	51362	5700	810
7/2009 6/2010	Coastal	51362	19081	1620
7/2010 6/2011	Coastal	51362	18271	2430
7/2011 6/2012	Coastal	51362	17461	3240
7/2012 6/2013	Coastal	51362	17461	3240
7/2013 6/2014	Coastal	51362	17461	3240
7/2014 6/2015	Coastal	51362	17461	3240
7/2015 6/2016	Coastal	51362	17461	3240
7/2016 6/2017	Coastal	51362	17461	3240
7/2017 6/2018	Coastal	51362	17461	3240
7/2018 6/2019	Coastal	51362	17461	3240
7/2019 6/2020	Coastal	51362	17461	3240
7/2020 6/2021	Coastal	51362	17461	3240
7/2021 6/2022	Coastal	51362	17461	3240
7/2022 6/2023	Coastal	51362	17461	3240
7/2023 6/2024	Coastal	51362	17461	3240

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  
TIDELANDS OIL PRODUCTION CO**

**SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION**

The annual allocation of NO<sub>x</sub> RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. Total NO<sub>x</sub> 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	NO <sub>x</sub> RTC Initially Allocated	NO <sub>x</sub> RTC <sup>1</sup> Holding as of 07/01/2010 (pounds)	Non-Tradable <sup>2</sup> Non-Usable RTCs (pounds)
7/2024 6/2025	Coastal	51362	17461	3240

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  
TIDELANDS OIL PRODUCTION CO**

**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 Credits(NTC) (pounds)
Begin (month/year)	End		Starting Allocation (pounds)	
7/1994	6/1995	Coastal	401578	287232



**FACILITY PERMIT TO OPERATE  
TIDELANDS OIL PRODUCTION CO**

**SECTION C: FACILITY PLOT PLAN**

(TO BE DEVELOPED)



## FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 1: CRUDE OIL/GAS PRODUCTION</b>					
<b>System 1: PROCESS HEATERS</b>					
HEATER, #1, HYDROCARBON PRESSURE VESSEL, PROCESS GAS, VENTED TO VAPOR RECOVERY SYSTEM, 1.98 MMBTU/HR A/N: 487170	D135		NOX: PROCESS UNIT**	CO: 400 PPMV (5A) [RULE 1146.2, 5-5-2006]; CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF PROCESS GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	B61.1, E57.1, H23.7
HEATER, #2, HYDROCARBON PRESSURE VESSEL, PROCESS GAS, VENTED TO VAPOR RECOVERY SYSTEM, 1.98 MMBTU/HR A/N: 487170	D136		NOX: PROCESS UNIT**	CO: 400 PPMV (5A) [RULE 1146.2, 5-5-2006]; CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF PROCESS GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	B61.1, E57.1, H23.7
HEATER, #3, HYDROCARBON PRESSURE VESSEL, PROCESS GAS, VENTED TO VAPOR RECOVERY SYSTEM, 1.98 MMBTU/HR A/N: 487170	D138		NOX: PROCESS UNIT**	CO: 400 PPMV (5A) [RULE 1146.2, 5-5-2006]; CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF PROCESS GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	B61.1, E57.1, H23.7
HEATER, #4, HYDROCARBON PRESSURE VESSEL, PROCESS GAS, VENTED TO VAPOR RECOVERY SYSTEM, 1.98 MMBTU/HR A/N: 487170	D139		NOX: PROCESS UNIT**	CO: 400 PPMV (5A) [RULE 1146.2, 5-5-2006]; CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF PROCESS GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	B61.1, E57.1, H23.7

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

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



**FACILITY PERMIT TO OPERATE  
TIDELANDS OIL PRODUCTION CO**

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 1: CRUDE OIL/GAS PRODUCTION</b>					
<b>System 2: CRUDE OIL/GAS/WATER SEPARATION</b>					
DRUM, KNOCKOUT, VENTED TO VAPOR RECOVERY SYSTEM, LENGTH: 30 FT ; DIAMETER: 10 FT A/N: 487170	D45				E57.1
DRUM, KNOCKOUT, VENTED TO VAPOR RECOVERY SYSTEM, LENGTH: 30 FT ; DIAMETER: 10 FT A/N: 487170	D46				E57.1
DRUM, KNOCKOUT, VENTED TO VAPOR RECOVERY SYSTEM, LENGTH: 30 FT ; DIAMETER: 10 FT A/N: 487170	D47				E57.1
DRUM, KNOCKOUT, VENTED TO VAPOR RECOVERY SYSTEM, LENGTH: 30 FT ; DIAMETER: 10 FT A/N: 487170	D132				E57.1
DRUM, KNOCKOUT, VENTED TO VAPOR RECOVERY SYSTEM, LENGTH: 30 FT ; DIAMETER: 10 FT A/N: 487170	D133				E57.1
DRUM, KNOCKOUT, VENTED TO VAPOR RECOVERY SYSTEM, LENGTH: 50 FT ; DIAMETER: 10 FT A/N: 487170	D134				E57.1
DRUM, FLOW SPLITTER, LENGTH: 50 FT ; DIAMETER: 10 FT A/N: 487170	D140				
TANK, NO. 901, OIL/WATER PROCESSING, VENTED TO VAPOR RECOVERY SYSTEM, 2000 BBL; DIAMETER: 30 FT ; HEIGHT: 16 FT A/N: 487170	D59				E57.1, E127.1, H23.4

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

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



## FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1: CRUDE OIL/GAS PRODUCTION</b>					
TANK, NO. 902, OIL/WATER PROCESSING, VENTED TO VAPOR RECOVERY SYSTEM, 2000 BBL; DIAMETER: 30 FT ; HEIGHT: 16 FT A/N: 487170	D60				E57.1, E127.1, H23.4
TANK, NO. 906, OIL/WATER PROCESSING, VENTED TO VAPOR RECOVERY SYSTEM, 2000 BBL; DIAMETER: 30 FT ; HEIGHT: 16 FT A/N: 487170	D64				E57.1, E127.1, H23.4
TANK, NO. 907, OIL/WATER PROCESSING, VENTED TO VAPOR RECOVERY SYSTEM, 2000 BBL; DIAMETER: 30 FT ; HEIGHT: 16 FT A/N: 487170	D65				E57.1, E127.1, H23.4
TANK, NO. 908, OIL/WATER PROCESSING, VENTED TO VAPOR RECOVERY SYSTEM, 2000 BBL; DIAMETER: 30 FT ; HEIGHT: 16 FT A/N: 487170	D66				E57.1, E127.1, H23.4
TANK, WASH, WASH TANK NO. 5, VENTED TO VAPOR RECOVERY SYSTEM, 3000 BBL; DIAMETER: 30 FT ; HEIGHT: 24 FT A/N: 487170	D68				E57.1, E127.1, H23.4
STORAGE TANK, FIXED ROOF, POWER OIL TANK NO. 1, POWER OIL, VENTED TO VAPOR RECOVERY SYSTEM, 3000 BBL; DIAMETER: 30 FT ; HEIGHT: 24 FT A/N: 487170	D38				E57.1, E127.1, H23.4

- \* (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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TIDELANDS OIL PRODUCTION CO**

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 1: CRUDE OIL/GAS PRODUCTION</b>					
STORAGE TANK, FIXED ROOF, POWER OIL TANK NO. 2, POWER OIL, VENTED TO VAPOR RECOVERY SYSTEM, 3000 BBL; DIAMETER: 30 FT ; HEIGHT: 24 FT A/N: 487170	D39				E57.1, E127.1, H23.4
STORAGE TANK, FIXED ROOF, POWER OIL NO. 3, POWER OIL, VENTED TO VAPOR RECOVERY SYSTEM, 3000 BBL; DIAMETER: 30 FT ; HEIGHT: 24 FT A/N: 487170	D69				E57.1, E127.1, H23.4
SUMP, FOR EMERGENCY AND STORMWATER USE ONLY, WIDTH: 15 FT ; DEPTH: 8 FT ; LENGTH: 15 FT A/N: 487170	D51				H23.3
SUMP, FOR EMERGENCY AND STORMWATER USE ONLY, WIDTH: 15 FT ; DEPTH: 8 FT ; LENGTH: 15 FT A/N: 487170	D52				H23.3
SUMP, COVERED, VENTED TO VAPOR RECOVERY SYSTEM, WIDTH: 6 FT 10 IN; DEPTH: 7 FT 3 IN; LENGTH: 8 FT 9 IN A/N: 487170	D137				E57.1, H23.3
TANK, #922, DRAIN TANK, VENTED TO CARBON ADSORBER, 71 BBL; DIAMETER: 8 FT ; HEIGHT: 8 FT A/N: 487170	D183	C180			E57.2, E127.1, H23.8
<b>System 3: WASTE WATER TREATMENT</b>					

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

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



## FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 1: CRUDE OIL/GAS PRODUCTION</b>					
POT, CONDENSATE TRAP, IN HYDROCARBON GATHERING AND VAPOR RECOVERY SYSTEM, HEIGHT: 10 FT ; DIAMETER: 3 FT A/N: 487166	D35				
POT, CONDENSATE TRAP, IN HYDROCARBON GATHERING AND VAPOR RECOVERY SYSTEM, HEIGHT: 10 FT ; DIAMETER: 3 FT A/N: 487166	D36				
STORAGE TANK, FIXED ROOF, NORTH SKIM, WASTE WATER, VENTED TO VAPOR RECOVERY SYSTEM, 2000 BBL; DIAMETER: 30 FT ; HEIGHT: 16 FT A/N: 487166	D40				E57.1, E127.1, H23.1
STORAGE TANK, FIXED ROOF, SOUTH SKIM, WASTE WATER, VENTED TO VAPOR RECOVERY SYSTEM, 2000 BBL; DIAMETER: 30 FT ; HEIGHT: 16 FT A/N: 487166	D41				E57.1, E127.1, H23.1
STORAGE TANK, FIXED ROOF, FILTERED WATER, VENTED TO VAPOR RECOVERY SYSTEM, 3000 BBL; DIAMETER: 30 FT ; HEIGHT: 24 FT A/N: 487166	D42				E57.1, E127.1, H23.1
FLOATATION UNIT, NORTH, VENTED TO VAPOR RECOVERY SYSTEM, 3000 BBL; DIAMETER: 30 FT ; HEIGHT: 24 FT A/N: 487166	D43				E57.1, E127.1, H23.1

\* (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  
TIDELANDS OIL PRODUCTION CO**

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1: CRUDE OIL/GAS PRODUCTION</b>					
FLOATATION UNIT, SOUTH, VENTED TO VAPOR RECOVERY SYSTEM, 3000 BBL; DIAMETER: 30 FT ; HEIGHT: 24 FT A/N: 487166	D44				E57.1, H23.1
STORAGE TANK, EMERGENCY WATER, VENTED TO VAPOR RECOVERY SYSTEM, 6667 BBL; DIAMETER: 55 FT ; HEIGHT: 16 FT A/N: 487166	D130				E57.1, E127.1, H23.1
TANK, #939, FLOAT CELL SKIM TANK, VENTED TO VAPOR RECOVERY, HEIGHT: 6 FT ; DIAMETER: 6 FT A/N: 487166	D182				E57.1, E127.1, H23.1
<b>Process 2: VAPOR RECOVERY/FUEL GAS TREATMENT</b>					
SCRUBBER, GAS, VENTED TO VAPOR RECOVERY SYSTEM, HEIGHT: 15 FT ; DIAMETER: 4 FT 6 IN A/N: 487167	D148				
SCRUBBER, GAS, VENTED TO VAPOR RECOVERY SYSTEM, HEIGHT: 10 FT ; DIAMETER: 2 FT 6 IN A/N: 487167	D149				
SCRUBBER, GAS, VENTED TO VAPOR RECOVERY SYSTEM, HEIGHT: 11 FT ; DIAMETER: 2 FT 6 IN A/N: 487167	D150				

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5) (5A) (5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits

(2) (2A) (2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
(10) See section J for NESHAP/MACT requirements

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



## FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 2: VAPOR RECOVERY/FUEL GAS TREATMENT</b>					
SCRUBBER, GAS, VENTED TO VAPOR RECOVERY SYSTEM, HEIGHT: 12 FT ; DIAMETER: 2 FT 6 IN A/N: 487167	D151				
SCRUBBER, GAS, VENTED TO VAPOR RECOVERY SYSTEM, HEIGHT: 12 FT ; DIAMETER: 2 FT 6 IN A/N: 487167	D152				
SCRUBBER, GAS, VENTED TO VAPOR RECOVERY SYSTEM, HEIGHT: 8 FT ; DIAMETER: 3 FT A/N: 487167	D153				
SCRUBBER, GAS, VENTED TO VAPOR RECOVERY SYSTEM, HEIGHT: 7 FT ; DIAMETER: 3 FT A/N: 487167	D154				
VESSEL, SULFATREAT, VENTED TO VAPOR RECOVERY SYSTEM, HEIGHT: 27 FT ; DIAMETER: 7 FT A/N: 487167	D155				
VESSEL, SULFATREAT, VENTED TO VAPOR RECOVERY SYSTEM, HEIGHT: 27 FT ; DIAMETER: 7 FT A/N: 487167	D156				
VESSEL, FREE WATER KNOCKOUT, GAS DEHYDRATION, VENTED TO VAPOR RECOVERY SYSTEM, HEIGHT: 8 FT ; DIAMETER: 4 FT A/N: 487167	D157				

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
 (3) Denotes RECLAIM concentration limit  
 (5) (5A) (5B) Denotes command and control emission limit  
 (7) Denotes NSR applicability limit  
 (9) See App B for Emission Limits  
 (2) (2A) (2B) Denotes RECLAIM emission rate  
 (4) Denotes BACT emission limit  
 (6) Denotes air toxic control rule limit  
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
 (10) See section J for NESHAP/MACT requirements  
 \*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



**FACILITY PERMIT TO OPERATE  
TIDELANDS OIL PRODUCTION CO**

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 2: VAPOR RECOVERY/FUEL GAS TREATMENT</b>					
VESSEL, COOLANT, VENTED TO VAPOR RECOVERY SYSTEM, HEIGHT: 6 FT 6 IN; DIAMETER: 3 FT A/N: 487167	D158				
SCRUBBER, SUCTION, GAS, VENTED TO VAPOR RECOVERY SYSTEM, HEIGHT: 6 FT ; DIAMETER: 1 FT A/N: 487167	D159				
SCRUBBER, DISCHARGE, GAS, VENTED TO VAPOR RECOVERY SYSTEM, HEIGHT: 7 FT ; DIAMETER: 2 FT A/N: 487167	D160				
GAS SEPARATOR, V10, HEIGHT: 7 FT 6 IN; DIAMETER: 1 FT 2 IN A/N: 487167	D174				
ABSORBER, V-21, CO2, HEIGHT: 7 FT 4 IN; DIAMETER: 3 FT 7 IN A/N: 487167	D175				
ABSORBER, V-22, CO2, HEIGHT: 7 FT 4 IN; DIAMETER: 3 FT 7 IN A/N: 487167	D176				
ABSORBER, V-23, CO2, HEIGHT: 7 FT 4 IN; DIAMETER: 3 FT 7 IN WITH A/N: 487167	D177				
COMPRESSOR, 125 HP ELECTRIC VACUUM COMPRESSOR					
KNOCKOUT BOX, V-20, HEIGHT: 5 FT 6 IN; DIAMETER: 1 FT 4 IN A/N: 487167	D178				
<b>Process 3: PETROLEUM STORAGE</b>					

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

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



**FACILITY PERMIT TO OPERATE  
TIDELANDS OIL PRODUCTION CO**

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 3: PETROLEUM STORAGE</b>					
STORAGE TANK, FIXED ROOF, WEST SLOP, CRUDE OIL, VENTED TO CARBON ADSORBER, 2200 BBL; DIAMETER: 33 FT ; HEIGHT: 18 FT A/N: 487168	D27	C180			E57.2, E127.1, H23.4
STORAGE TANK, FIXED ROOF, EAST SLOP, CRUDE OIL, VENTED TO CARBON ADSORBER, 2000 BBL; DIAMETER: 30 FT ; HEIGHT: 16 FT A/N: 487169	D28	C180			E57.2, E127.1, H23.4
CARBON ADSORBER, PRIMARY, 1000 LBS A/N: 487165	C180	D27 D28 C181 D183			D12.3, D90.1, E153.1, E193.1, K67.3
CARBON ADSORBER, SECONDARY, 1000 LBS A/N: 487165	C181	C180			D90.1, E153.2, E193.1, K67.3
<b>Process 4: FUGITIVE EMISSIONS</b>					
FUGITIVE EMISSIONS, COMPRESSORS, IN HYDROCARBON GATHERING AND VAPOR RECOVERY SERVICE A/N: 487167	D70				H23.5
FUGITIVE EMISSIONS, VALVES A/N: 487170	D71				H23.5
FUGITIVE EMISSIONS, PRV A/N: 225230	D72				H23.5
FUGITIVE EMISSIONS, PUMPS, IN NON-RULE 466 SERVICE A/N: 487170	D163				H23.5
FUGITIVE EMISSIONS, FLANGES A/N: 487170	D164				H23.5
FUGITIVE EMISSIONS, DRAINS A/N: 487170	D165				H23.3

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

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



**FACILITY PERMIT TO OPERATE  
TIDELANDS OIL PRODUCTION CO**

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 5: GAS ODORIZATION</b>					
VESSEL, ODORANT STORAGE, NJEX, MODEL 6200G, 20 GALS, LENGTH: 2 FT 5 IN; DIAMETER: 1 FT 2 IN A/N: 317584	D170	C173			E175.1, E179.1, E179.2, K67.2
VESSEL, EXPANSION TANK, NJEX, MODEL 6200G, 5.4 GALS, LENGTH: 1 FT 4 IN; DIAMETER: 10 IN A/N: 317584	D171	C173			E175.1, E179.1, E179.2
ODORANT DISPENSING EQUIPMENT, ELECTRIC PUMP, NJEX, MODEL 6000, WITH CONTROLLER, MODEL N200 A/N: 317584	D172	C173			E175.1, E179.1, E179.2
CARBON FILTER, MODEL C4-0024 A/N: 317584	C173	D170 D171 D172			E179.1, E179.2, E224.1, E224.2, K48.2, K67.2
<b>Process 6: R-219 EXEMPT EQUIPMENT SUBJECT TO SOURCE SPECIFIC RULES</b>					
RULE 219 EXEMPT EQUIPMENT, EQUIPMENT AND TOOL SOLVENT CLEANING, EXEMPT HAND WIPING OPERATIONS	E166			VOC: (9) [RULE 1171, 8-2-2002; RULE 1171, 11-7-2003]	
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS	E167			VOC: (9) [RULE 1113, 11-8-1996; RULE 1113, 12-5-2003; RULE 1171, 8-2-2002; RULE 1171, 11-7-2003]	K67.1
RULE 219 EXEMPT EQUIPMENT, WELL HEADS AND PUMPS, OIL AND GAS	E169				H23.6
<b>Process 7: EXTERNAL COMBUSTION</b>					

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5) (5A) (5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
(2) (2A) (2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
(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  
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**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: EXTERNAL COMBUSTION</b>					
BOILER, PROCESS GAS, STRUTHERS MANUFACTURING, EQUIPPED WITH A 75 HP COMBUSTION AIR BLOWER, USED FOR STEAM INJECTION, WITH LOW NOX BURNER, FLUE GAS RECIRCULATION, 62.5 MMBTU/HR WITH A/N: 400836  BURNER, PROCESS GAS, NORTH AMERICAN, MODEL 4211-GLE, WITH LOW NOX BURNER, 62.5 MMBTU/HR	D146		NOX: MAJOR SOURCE**	CO: 10 PPMV PROCESS GAS (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; CO: 400 PPMV (5B) [RULE 1146, 11-17-2000]; CO: 2000 PPMV (5A) [RULE 407, 4-2-1982]; NOX: 15 PPMV PROCESS GAS (4) [RULE 2005, 4-20-2001]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	B59.1, B61.1, C1.1, D12.1, D328.1, E313.1, E315.1

\* (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  
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**SECTION D: DEVICE ID INDEX**

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



**FACILITY PERMIT TO OPERATE  
TIDELANDS OIL PRODUCTION CO.**

**SECTION D: DEVICE ID INDEX**

Device Index For Section D			
Device ID	Section D Page No.	Process	System
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D28	9	3	0
D35	5	1	3
D36	5	1	3
D38	3	1	2
D39	4	1	2
D40	5	1	3
D41	5	1	3
D42	5	1	3
D43	5	1	3
D44	6	1	3
D45	2	1	2
D46	2	1	2
D47	2	1	2
D51	4	1	2
D52	4	1	2
D59	2	1	2
D60	3	1	2
D64	3	1	2
D65	3	1	2
D66	3	1	2
D68	3	1	2
D69	4	1	2
D70	9	4	0
D71	9	4	0
D72	9	4	0
D130	6	1	3
D132	2	1	2
D133	2	1	2
D134	2	1	2
D135	1	1	1
D136	1	1	1
D137	4	1	2
D138	1	1	1
D139	1	1	1



**FACILITY PERMIT TO OPERATE  
TIDELANDS OIL PRODUCTION CO.**

**SECTION D: DEVICE ID INDEX**

Device Index For Section D			
Device ID	Section D Page No.	Process	System
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D154	7	2	0
D155	7	2	0
D156	7	2	0
D157	7	2	0
D158	8	2	0
D159	8	2	0
D160	8	2	0
D163	9	4	0
D164	9	4	0
D165	9	4	0
E166	10	6	0
E167	10	6	0
E169	10	6	0
D170	10	5	0
D171	10	5	0
D172	10	5	0
C173	10	5	0
D174	8	2	0
D175	8	2	0
D176	8	2	0
D177	8	2	0
D178	8	2	0
C180	9	3	0
C181	9	3	0
D182	6	1	3
D183	4	1	2



**FACILITY PERMIT TO OPERATE  
TIDELANDS OIL PRODUCTION CO**

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

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

**FACILITY CONDITIONS**

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

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

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

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

**DEVICE CONDITIONS**

**B. Material/Fuel Type Limits**

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

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

[RULE 431.1, 6-12-1998]

[Devices subject to this condition : D146]

B61.1 The operator shall not use process gas containing the following specified compounds:



**FACILITY PERMIT TO OPERATE  
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**SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

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

Compound	ppm by volume
sulfur compounds calculated as hydrogen sulfide greater than	40

The 40 ppmv limit is averaged over 4 hours.

[RULE 431.1, 6-12-1998]

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

**C. Throughput or Operating Parameter Limits**

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

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

[Devices subject to this condition : D146]

**D. Monitoring/Testing Requirements**

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

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

[Devices subject to this condition : D146]



## FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

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

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

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

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

[Devices subject to this condition : C180]

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

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

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

The operator shall analyze once every week.

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

[Devices subject to this condition : C180, C181]

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 1303 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]



## FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

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

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

[Devices subject to this condition : D146]

#### E. Equipment Operation/Construction Requirements

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

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

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

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

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

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

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

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

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



## FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

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

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

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

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 150 ppmv at the outlet of primary carbon adsorber.

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

[Devices subject to this condition : C180]

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

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

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

[Devices subject to this condition : C181]

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

Activated carbon filter which is in proper operating conditions

[RULE 402, 5-7-1976]



## FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

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

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

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

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

Condition Number 175-1

[RULE 402, 5-7-1976]

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

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

Condition Number 175-1

[RULE 402, 5-7-1976]

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

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

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

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

[Devices subject to this condition : C180, C181]



**FACILITY PERMIT TO OPERATE  
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**SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

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

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

[RULE 402, 5-7-1976]

[Devices subject to this condition : C173]

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

[RULE 402, 5-7-1976]

[Devices subject to this condition : C173]

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

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

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



**FACILITY PERMIT TO OPERATE  
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**SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

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

[RULE 2012, 5-6-2005]

[Devices subject to this condition : D146]

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

[RULE 2012, 5-6-2005]

[Devices subject to this condition : D146]

**H. Applicable Rules**

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

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

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

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

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

Contaminant	Rule	Rule/Subpart
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**FACILITY PERMIT TO OPERATE  
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**SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

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

VOC | District Rule | 1176

[RULE 1176, 9-13-1996]

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

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

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

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

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

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

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1173

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

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

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



**FACILITY PERMIT TO OPERATE  
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**SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

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

Contaminant	Rule	Rule/Subpart
TOC	District Rule	1148.1

[RULE 1148.1, 3-5-2004]

[Devices subject to this condition : E169]

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

Contaminant	Rule	Rule/Subpart
CO	District Rule	1146.2

[RULE 1146.2, 5-5-2006]

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

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

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1148.1

[RULE 1148.1, 3-5-2004]

[Devices subject to this condition : D183]

**K. Record Keeping/Reporting**



**FACILITY PERMIT TO OPERATE  
TIDELANDS OIL PRODUCTION CO**

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

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

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

Condition Number E 224- 1

Condition Number E 224- 2

[RULE 402, 5-7-1976]

[Devices subject to this condition : C173]

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

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

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

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

[Devices subject to this condition : E167]

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



## FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

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

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

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

[RULE 402, 5-7-1976]

[Devices subject to this condition : D170, C173]

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

VOC concentrations at the inlet of the primary carbon adsorber

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

Date when change over of carbon occurs

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

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

[Devices subject to this condition : C180, C181]



## FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

### SECTION 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 TIDELANDS OIL PRODUCTION CO

### 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<sub>x</sub> 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 TIDELANDS OIL PRODUCTION CO

### 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 (SO<sub>2</sub>) 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 (CO<sub>2</sub>) 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 (O<sub>2</sub>) 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<sub>x</sub> RECLAIM sources and Table 2 of Rule 2001 for SO<sub>x</sub> RECLAIM sources. Those provisions listed in Tables 1 or 2 shall not apply to NO<sub>x</sub> or SO<sub>x</sub> 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<sub>x</sub> or SO<sub>x</sub> 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 TIDELANDS OIL PRODUCTION CO

### 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 TIDELANDS OIL PRODUCTION CO

### 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 TIDELANDS OIL PRODUCTION CO

### 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. NOx Monitoring Conditions

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

1. Install, maintain, and operate an AQMD certified direct or time-shared monitoring device or an approved alternative monitoring device for each major NOx source to continuously measure the concentration of NOx emissions and all other applicable variables specified in Rule 2012, Table 2012-1 and Rule 2012, Appendix A, Table 2-A to determine the NOx emissions rate from each source. The time-sharing of CEMS among NOx sources may be allowed by the Executive Officer in accordance with the requirements for time sharing specified in Appendix A. [2012]
2. Install, maintain, and operate a totalizing fuel meter approved by the Executive Officer for each major source. [2012]
3. If the facility is operating existing CEMS and fuel meters, continue to follow recording and reporting procedures required by AQMD Rules and Regulations in effect prior to October 15, 1993 until the CEMS is certified pursuant to Rule 2012. [2012]
4. Use valid data collected by an AQMD certified or provisionally certified CEMS in proper operation that meets all the requirements of Appendix A of Rule 2012, unless final certification of the CEMS is denied, to determine mass emissions for all purposes, including, but not limited to, determining: [2012]
  - a. compliance with the annual Allocation;
  - b. excess emissions;
  - c. the amount of penalties; and
  - d. fees.



**FACILITY PERMIT TO OPERATE  
TIDELANDS OIL PRODUCTION CO**

**SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS**

5. Follow missing data procedures as specified in Rule 2012 Appendix A whenever valid data is not available or collected to determine mass emissions for all purposes, including, but not limited to, determining: [2012]
  - a. compliance with the annual Allocation;
  - b. excess emissions;
  - c. the amount of penalties; and
  - d. fees.

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

Not Applicable

C. The Operator of a NOx 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]

II. NOx Source Testing and Tune-up conditions

1. The operator shall conduct all required NOx source testing in compliance with an AQMD-approved source test protocol. [2012]



**FACILITY PERMIT TO OPERATE  
TIDELANDS OIL PRODUCTION CO**

**SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS**

2. The operator shall, as applicable, conduct source tests for every large NO<sub>x</sub> source no later than June 30, 1997 and every 3 years thereafter. The source test shall include the determination of NO<sub>x</sub> 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<sub>x</sub> large sources and NO<sub>x</sub> 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  
TIDELANDS OIL PRODUCTION CO**

**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 NOx or SOx 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]

**NOx Reporting Requirements**

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



## FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

### SECTION G: RECORDKEEPING AND REPORTING REQUIREMENTS FOR RECLAIM SOURCES

1. No later than 12 months after entry into the RECLAIM program or after the initial operation of a new major source, whichever is later, install, maintain, and operate a reporting device to electronically report everyday to the AQMD central station for each major NO<sub>x</sub> source, the total daily mass emissions of NO<sub>x</sub> and daily status codes. Such data shall be transmitted by 5:00 p.m. of the following day. If the facility experiences a power, computer, or other system failure that prevents the submittal of the daily report, the Facility Permit holder shall be granted 24 hours extension to submit the report. [2012]
2. Calculate NO<sub>x</sub> emissions pursuant to missing data procedures set forth in Appendix A, Chapter 2 of Rule 2012 if the Facility Permit holder fails to meet the deadline for submitting the daily report. [2012]
3. Submit an electronic report within 15 days following the end of each month totaling NO<sub>x</sub> emissions from all major NO<sub>x</sub> sources during the month. [2012]
4. For those facilities with existing CEMS and fuel meters as of October 15, 1993, continue to follow recording and reporting procedures required by AQMD Rules and Regulations in effect until the CEMS is certified pursuant to Rule 2011 and/or Rule 2012, as applicable. [2012]

B. The Operator of a NO<sub>x</sub> Large Source, as defined in Rule 2012, shall:

Not Applicable

C. The Operator of a NO<sub>x</sub> Process Unit, as defined in Rule 2012, shall:

1. Electronically report the calculated quarterly NO<sub>x</sub> emissions for each NO<sub>x</sub> 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  
TIDELANDS OIL PRODUCTION CO**

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 7: EXTERNAL COMBUSTION</b>					
FLARE, GROUND FLARE, EMERGENCY, PROCESS GAS, ZEECO INC., HEIGHT: 40 FT ; DIAMETER: 8 FT 6 IN; 58 MMBTU/HR A/N: 327491 Permit to Construct Issued: 03/11/98	C168			CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 85 PPMV PROCESS GAS (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	B61.1, C8.1, D12.2, D28.2, K48.1

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

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



**FACILITY PERMIT TO OPERATE  
TIDELANDS OIL PRODUCTION CO**

**SECTION H: DEVICE ID INDEX**

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



**FACILITY PERMIT TO OPERATE  
TIDELANDS OIL PRODUCTION CO**

**SECTION H: DEVICE ID INDEX**

<b>Device Index For Section H</b>			
<b>Device ID</b>	<b>Section H Page No.</b>	<b>Process</b>	<b>System</b>
C168	1	7	0



**FACILITY PERMIT TO OPERATE  
FIDELANDS OIL PRODUCTION CO**

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

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

**FACILITY CONDITIONS**

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

- (a) As dark or darker in shade as that designated No.1 on the Ringelmann Chart, as published by the United States Bureau of Mines; or
- (b) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in subparagraph (a) of this condition.

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

**DEVICE CONDITIONS**

**B. Material/Fuel Type Limits**

B61.1 The operator shall not use process gas containing the following specified compounds:

Compound	ppm by volume
sulfur compounds calculated as hydrogen sulfide greater than	40

The 40 ppmv limit is averaged over 4 hours.

[RULE 431.1, 6-12-1998]

[Devices subject to this condition : C168]

**C. Throughput or Operating Parameter Limits**



**FACILITY PERMIT TO OPERATE  
TIDELANDS OIL PRODUCTION CO**

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

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

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

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

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

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

[Devices subject to this condition : C168]

**D. Monitoring/Testing Requirements**

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

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

[Devices subject to this condition : C168]

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



**FACILITY PERMIT TO OPERATE  
TIDELANDS OIL PRODUCTION CO**

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

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

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

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

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

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

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

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

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

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

The test shall be conducted when this equipment is firing process gas.

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

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

[Devices subject to this condition : C168]

**K. Record Keeping/Reporting**



**FACILITY PERMIT TO OPERATE  
TIDELANDS OIL PRODUCTION CO**

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

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

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

Condition Number D 12- 2

Condition Number D 28- 2

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

[Devices subject to this condition : C168]



**FACILITY PERMIT TO OPERATE  
TIDELANDS OIL PRODUCTION CO**

**SECTION I: PLANS AND SCHEDULES**

This section lists all plans approved by AQMD for the purposes of meeting the requirements of applicable AQMD rules.

NONE

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

Section J	Page: 1
Facility ID:	800325
Revision #:	0
Date:	June 01, 2008

**FACILITY PERMIT TO OPERATE  
TIDELANDS OIL PRODUCTION CO**

**SECTION J: AIR TOXICS**

NOT APPLICABLE



## FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

### SECTION K: TITLE V Administration

#### GENERAL PROVISIONS

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

#### Permit Renewal and Expiration

3. (A) Except for solid waste incineration facilities subject to standards under section 129(e) of the Clean Air Act, this permit shall expire five years from the date that this Title V permit is issued. The operator's right to operate under this permit terminates at midnight on this date, unless the facility is protected by an application shield in accordance with Rule 3002(b), due to the filing of a timely and complete application for a Title V permit renewal, consistent with Rule 3003. [3004(a)(2), 3004(f)]  
  
(B) A Title V permit for a solid waste incineration facility combusting municipal waste subject to standards under Section 129(e) of the Clean Air Act shall expire 12 years from the date of issuance unless such permit has been renewed pursuant to this regulation. These permits shall be reviewed by the Executive Officer at least every five years from the date of issuance. [3004(f)(2)]
4. To renew this permit, the operator shall submit to the Executive Officer an application for renewal at least 180 days, but not more than 545 days, prior to the expiration date of this permit. [3003(a)(6)]

#### Duty to Provide Information

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

#### Payment of Fees

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



## FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

### SECTION K: TITLE V Administration

#### Reopening for Cause

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

#### COMPLIANCE PROVISIONS

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

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



## FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

### SECTION K: TITLE V Administration

9. The operator shall allow the Executive Officer or authorized representative, upon presentation of appropriate credentials to:
- (A) Enter the operator's premises where emission-related activities are conducted, or records are kept under the conditions of this permit;
  - (B) Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
  - (C) Inspect at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
  - (D) Sample or monitor at reasonable times, substances or parameters for the purpose of assuring compliance with the facility permit or regulatory requirements. [3004(a)(10)(B)]
10. All terms and conditions in this permit, including any provisions designed to limit a facility's potential to emit, are enforceable by the EPA Administrator and citizens under the federal Clean Air Act, unless the term or condition is designated as not federally enforceable. Each day during any portion of which a violation occurs is a separate offense. [3004(g)]
11. A challenge to any permit condition or requirement raised by EPA, the operator, or any other person, shall not invalidate or otherwise affect the remaining portions of this permit. [3007(b)]
12. The filing of any application for a permit revision, revocation, or termination, or a notification of planned changes or anticipated non-compliance does not stay any permit condition. [3004(a)(7)(D)]
13. It shall not be a defense for a person in an enforcement action, including those listed in Rule 3002(c)(2), that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit, except as provided for in "Emergency Provisions" of this section. [3004(a)(7)(H)]



## FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

### SECTION K: TITLE V Administration

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



## FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

### SECTION K: TITLE V Administration EMERGENCY PROVISIONS

17. An emergency<sup>1</sup> 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]

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



## FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

### SECTION K: TITLE V Administration RECORDKEEPING PROVISIONS

19. In addition to any other recordkeeping requirements specified elsewhere in this permit, the operator shall keep records of required monitoring information, where applicable, that include:

- (A) The date, place as defined in the Title V permit, and time of sampling or measurements;
- (B) The date(s) analyses were performed;
- (C) The company or entity that performed the analyses;
- (D) The analytical techniques or methods used;
- (E) The results of such analyses; and
- (F) The operating conditions as existing at the time of sampling or measurement. [3004(a)(4)(B)]

20. The operator shall maintain records pursuant to Rule 109 and any applicable material safety data sheet (MSDS) for any equipment claimed to be exempt from a written permit by Rule 219 based on the information in those records. [219(t)]

21. The operator shall keep all records of monitoring data required by this permit or by regulatory requirements for a period of at least five years from the date of the monitoring sample, measurement, report, or application. [3004(a)(4)(E)]

### REPORTING PROVISIONS

22. The operator shall comply with the following requirements for prompt reporting of deviations:

- (A) Breakdowns shall be reported as required by Rule 430 – Breakdown Provisions or subdivision (i) of Rule 2004 - Requirements, whichever is applicable.



## FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

### SECTION K: TITLE V Administration

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



## FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

### SECTION K: TITLE V Administration

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

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

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

### PERIODIC MONITORING

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



## FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

### SECTION K: TITLE V Administration

#### FACILITY RULES

*This facility is subject to the following rules and regulations*

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

<b>RULE SOURCE</b>	<b>Adopted/Amended Date</b>	<b>FEDERAL Enforceability</b>
RULE 1113	11-8-1996	Federally enforceable
RULE 1113	12-5-2003	Non federally enforceable
RULE 1146	11-17-2000	Federally enforceable
RULE 1146.2	5-5-2006	Federally enforceable
RULE 1148.1	3-5-2004	Non federally enforceable
RULE 1149	7-14-1995	Federally enforceable
RULE 1171	11-7-2003	Federally enforceable
RULE 1173	2-6-2009	Non federally enforceable
RULE 1173	5-13-1994	Federally enforceable
RULE 1176	9-13-1996	Federally enforceable
RULE 118	12-7-1995	Non federally enforceable
RULE 1303(a)(1)-BACT	12-6-2002	Non federally enforceable
RULE 1303(a)(1)-BACT	5-10-1996	Federally enforceable
RULE 1303(b)(2)-Offset	12-6-2002	Non federally enforceable
RULE 1303(b)(2)-Offset	5-10-1996	Federally enforceable
RULE 2005	4-20-2001	Federally enforceable
RULE 2012	5-6-2005	Federally enforceable
RULE 204	10-8-1993	Federally enforceable
RULE 217	1-5-1990	Federally enforceable
RULE 219	9-4-1981	Federally enforceable
RULE 3002	11-14-1997	Federally enforceable
RULE 3003	11-14-1997	Federally enforceable



## FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

### SECTION K: TITLE V Administration

<b>RULE SOURCE</b>	<b>Adopted/Amended Date</b>	<b>FEDERAL Enforceability</b>
RULE 3003	3-16-2001	Non federally enforceable
RULE 3004	12-12-1997	Federally enforceable
RULE 3004(a)(4)-Periodic Monitoring	12-12-1997	Federally enforceable
RULE 3005	11-14-1997	Federally enforceable
RULE 3005	3-16-2001	Non federally enforceable
RULE 3007	10-8-1993	Federally enforceable
RULE 304	5-19-2000	Non federally enforceable
RULE 401	11-9-2001	Non federally enforceable
RULE 401	3-2-1984	Federally enforceable
RULE 402	5-7-1976	Non federally enforceable
RULE 404	2-7-1986	Federally enforceable
RULE 407	4-2-1982	Federally enforceable
RULE 408	5-7-1976	Federally enforceable
RULE 409	8-7-1981	Federally enforceable
RULE 430	7-12-1996	Non federally enforceable
RULE 431.1	6-12-1998	Federally enforceable
RULE 463	5-6-2005	Federally enforceable
RULE 464	12-7-1990	Federally enforceable
RULE 701	6-13-1997	Federally enforceable



**FACILITY PERMIT TO OPERATE  
TIDELANDS OIL PRODUCTION CO**

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

NONE



**FACILITY PERMIT TO OPERATE  
TIDELANDS OIL PRODUCTION CO**

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

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

**TABLE OF STANDARDS**

**VOC LIMITS**

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

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



**FACILITY PERMIT TO OPERATE  
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**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 Undercoaters	350					
Quick-Dry Enamels	400					
Roof Coatings	300					
Shellac						
Clear	730					
Pigmented	550					
Stains	350					
Swimming Pool Coatings						
Repair	650					
Other	340					
Traffic Coatings	250		150			
Waterproofing Sealers	400					
Wood Preservatives						
Below-Ground	350					
Other	350					

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

**TABLE OF STANDARDS (cont.)**

**VOC LIMITS**

**Grams of VOC Per Liter of Material**

COATING	Limit
Low-Solids Coating	120



**FACILITY PERMIT TO OPERATE  
TIDELANDS OIL PRODUCTION CO**

**APPENDIX B: RULE EMISSION LIMITS  
[RULE 1113 12-05-2003]**

- (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 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  
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**APPENDIX B: RULE EMISSION LIMITS  
[RULE 1113 12-05-2003]  
TABLE OF STANDARDS  
VOC LIMITS**

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

COATING	Limit*	Effective Date								
		1/1/98	1/1/99	7/1/01	1/1/03	1/1/04	1/1/05	7/1/06	7/1/07	7/1/08
Bond Breakers	350									
Clear Wood Finishes										
Varnish	350							275		
Sanding Sealers	350							275		
Lacquer	680	550					275			
Clear Brushing Lacquer	680						275			
Concrete-Curing Compounds	350									
Dry-Fog Coatings	400									
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								
Non-Flat Coatings	250				150			50		
Pigmented Lacquer	680	550					275			



**FACILITY PERMIT TO OPERATE  
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**APPENDIX B: RULE EMISSION LIMITS  
[RULE 1113 12-05-2003]**

COATING	Limit*	Effective Date								
		1/1/98	1/1/99	7/1/01	1/1/03	1/1/04	1/1/05	7/1/06	7/1/07	7/1/08
Pre-Treatment Wash Primers	780				420					
Primers, Sealers, and Undercoaters	350				200			100		
Quick-Dry Enamels	400				250			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							100		
Stains	350				250				100	
Stains, Interior	250									
Swimming Pool Coatings										
Repair	650				340					
Other	340									
Traffic Coatings	250	150								
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

\*\* The National VOC Standard at 650 g/l is applicable until 1/1/2003



**FACILITY PERMIT TO OPERATE  
TIDELANDS OIL PRODUCTION CO**

**APPENDIX B: RULE EMISSION LIMITS  
[RULE 1113 12-05-2003]**

**TABLE OF STANDARDS (cont.)  
VOC LIMITS**

**Grams of VOC Per Liter of Material**

COATING	Limit
Low-Solids Coating	120



**FACILITY PERMIT TO OPERATE  
TIDELANDS OIL PRODUCTION CO**

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

(1) Solvent Requirements

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

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



**FACILITY PERMIT TO OPERATE  
TIDELANDS OIL PRODUCTION CO**

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

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



**FACILITY PERMIT TO OPERATE  
TIDELANDS OIL PRODUCTION CO**

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

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



**FACILITY PERMIT TO OPERATE  
TIDELANDS OIL PRODUCTION CO**

**APPENDIX B: RULE EMISSION LIMITS  
[RULE 1171 08-02-2002]**

(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*	Effective 1/1/2003	Effective 7/1/2005
	VOC g/l (lb/gal)	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	50 (0.42)	25 (0.21)	
(ii) Electrical Apparatus Components & Electronic Components	500 (4.2)		100 (0.83)
(iii) Medical Devices & Pharmaceuticals	800 (6.7)		
(B) Repair and Maintenance Cleaning			
(i) General	50 (0.42)	25 (0.21)	
(ii) Electrical Apparatus Components & Electronic Components	900 (7.5)		100 (0.83)
(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)		25 (0.21)
(D) Cleaning of Ink Application Equipment			
(i) General	50 (0.42)	25 (0.21)	



**FACILITY PERMIT TO OPERATE  
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**APPENDIX B: RULE EMISSION LIMITS  
[RULE 1171 08-02-2002]**

SOLVENT CLEANING ACTIVITY	CURRENT LIMITS*	Effective 1/1/2003	Effective 7/1/2005
	VOC g/l (lb/gal)	VOC g/l (lb/gal)	VOC g/l (lb/gal)
(ii) Flexographic Printing	50 (0.42)	25 (0.21)	
(iii) Gravure Printing			
(A) Publication	750 (6.3)		100 (0.83)
(B) Packaging	50 (0.42)	25 (0.21)	
(iv) Lithographic or Letter Press Printing			
(A) Roller Wash – Step 1	600 (5.0)		100 (0.83)
(B) Roller Wash-Step 2, Blanket Wash, & On-Press Components	800 (6.7)		100 (0.83)
(C) Removable Press Components	50 (0.42)	25 (0.21)	
(v) Screen Printing	750 (6.3)		100 (0.83)
(vi) Ultraviolet Ink/ Electron Beam Ink Application Equipment (except screen printing)	800 (6.7)		100 (0.83)
(vii) Specialty Flexographic Printing	600 (5.0)		100 (0.83)
(E) Cleaning of Polyester Resin Application Equipment	50 (0.42)	25 (0.21)	

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



**FACILITY PERMIT TO OPERATE  
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**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 <sup>2</sup> 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
25 or less	883 or less	450	0.196	900	31780	118	0.0515
30	1059	420	.183	1000	35310	113	.0493
35	1236	397	.173	1100	38850	109	.0476
40	1413	377	.165	1200	42380	106	.0463
45	1589	361	.158	1300	45910	102	.0445



**FACILITY PERMIT TO OPERATE  
TIDELANDS OIL PRODUCTION CO.**

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

Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter <sup>2</sup> 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	
Cubic meters Per Minute	Cubic feet Per Minute	Milligrams per Cubic Meter	Grains per Cubic Foot	Cubic meters Per Minute	Cubic feet Per Minute	Milligrams per Cubic Meter	Grains per Cubic Foot
50	1766	347	.152	1400	49440	100	.0437
60	2119	324	.141	1500	52970	97	.0424
70	2472	306	.134	1750	61800	92	.0402
80	2825	291	.127	2000	70630	87	.0380
90	3178	279	.122	2250	79460	83	.0362
100	3531	267	.117	2500	88290	80	.0349
125	4414	246	.107	3000	105900	75	.0327
150	5297	230	.100	4000	141300	67	.0293
175	6180	217	.0947	5000	176600	62	.0271
200	7063	206	.0900	6000	211900	58	.0253
250	8829	190	.0830	8000	282500	52	.0227
300	10590	177	.0773	10000	353100	48	.0210
350	12360	167	.0730	15000	529700	41	.0179
400	14130	159	.0694	20000	706300	37	.0162
450	15890	152	.0664	25000	882900	34	.0148



**FACILITY PERMIT TO OPERATE  
 TIDELANDS OIL PRODUCTION CO**

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

Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter <sup>2</sup> 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