



# South Coast Air Quality Management District

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

July 30, 2010

Mr. Gerardo Rios  
Chief – Permits Office  
U. S. EPA, Region IX  
75 Hawthorne Street, Air 3  
San Francisco, CA 94105

Dear Mr. Rios:

Subject: Tidelands Oil Production Co. (ID 800325) – Title V Permit Revision

Tidelands Oil Production Co. (ID 800325) has proposed to revise their Title V permit by adding a floatation unit and converting the existing floatation unit into a spare. This is an oil and gas facility (SIC 1311) located at 949 Pier G Ave., Long Beach, CA 90802. This proposed permit revision is considered as a “minor permit revision” to their Title V permit. Attached for your review is the evaluation and permit for the proposed revision. With your expected receipt of the proposed Title V permit revision today, we will note that the EPA 45-day review period begins on July 30, 2010.

If you have any questions or need additional information regarding the proposed permit revision, please call Vicky Lee of my staff at (909) 396-2284.

Very truly yours,

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  
Attachments



**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT**

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APPL. NO.  
490356, 490362, 498900

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TIDELANDS OIL PRODUCTION CO.  
P.O. BOX 1330  
LONG BEACH, CA 90801-1330

FACILITY ID: 800325  
(IDs 68111, 68113, 68121, 83401 are subfacility co-ID nos.)

EQUIPMENT LOCATION: 949 Pier G Ave.  
Long Beach, CA 90802

**PERMITS TO CONSTRUCT/OPERATE FOR MODIFICATION**

**EQUIPMENT DESCRIPTION**

*Note: The changes to the facility permit are indicated in bold font for additions and in strike-out for deletions.*

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

Equipment	ID No.	Connected To	Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1: CRUDE OIL/GAS PRODUCTION</b>					
<b>System 3: WASTE WATER TREATMENT</b>					
POT, CONDENSATE TRAP, IN HYDROCARBON GATHERING AND VAPOR RECOVERY SYSTEM, HEIGHT: 10 FT; DIAMETER: 3 FT A/N: <del>487166</del> 490356	D35				
POT, CONDENSATE TRAP, IN HYDROCARBON GATHERING AND VAPOR RECOVERY SYSTEM, HEIGHT: 10 FT; DIAMETER: 3 FT A/N: <del>487166</del> 490356	D36				
STORAGE TANK, FIXED ROOF, NORTH SKIM, WASTE WATER, VENTED TO VAPOR RECOVERY SYSTEM, 2000 BBL; DIAMETER: 30 FT; HEIGHT: 16 FT A/N: <del>487166</del> 490356	D40				E57.1, E127.1, H23.1
STORAGE TANK, FIXED ROOF, SOUTH SKIM, WASTE WATER, VENTED TO VAPOR RECOVERY SYSTEM, 2000 BBL; DIAMETER: 30	D41				E57.1, E127.1, H23.1



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Equipment	ID No.	Connected To	Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
FT; HEIGHT: 16 FT A/N: 487166 490356					
STORAGE TANK, FIXED ROOF, FILTERED WATER, VENTED TO VAPOR RECOVERY SYSTEM, 3000 BBL; DIAMETER: 30 FT; HEIGHT: 24 FT A/N: 487166 490356	D42				E57.1, E127.1, H23.1
FLOATATION UNIT, NORTH, TANK #935, VENTED TO VAPOR RECOVERY SYSTEM, 3000 BBL; DIAMETER: 30 FT; HEIGHT: 24 FT A/N: 487166 490356	D43				E17.1, E57.1, E127.1, H23.1
FLOATATION UNIT, INDUCED STATIC, VENTED TO VAPOR RECOVERY, 100,000 BBL; DIAMETER: 10 FT 6 IN; LENGTH: 40 FT A/N: 490356	D185				E17.1, E57.1, E127.1, H23.1
FLOATATION UNIT, SOUTH, TANK #936, VENTED TO VAPOR RECOVERY SYSTEM, 3000 BBL; DIAMETER: 30 FT; HEIGHT: 24 FT A/N: 487166 490356	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 490356	D130				E57.1, E127.1, 23.1
TANK, #939, FLOAT CELL SKIM TANK, VENTED TO VAPOR RECOVERY, HEIGHT: 6 FT; DIAMETER: 6 FT A/N: 487166 490356	D182				E57.1, E127.1, H23.1
<i>Note: This tank has always been vented to vapor recovery.</i>					
<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 490362	D148				
SCRUBBER, GAS, VENTED TO	D149				



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Equipment	ID No.	Connected To	Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
VAPOR RECOVERY SYSTEM, HEIGHT: 10 FT; DIAMETER: 2 FT 6 IN A/N: 487167 490362					
SCRUBBER, GAS, VENTED TO VAPOR RECOVERY SYSTEM, HEIGHT: 11 FT; DIAMETER: 2 FT 6 IN A/N: 487167 490362	D150				
SCRUBBER, GAS, VENTED TO VAPOR RECOVERY SYSTEM, HEIGHT: 12 FT; DIAMETER: 2 FT 6 IN A/N: 487167 490362	D151				
SCRUBBER, GAS, VENTED TO VAPOR RECOVERY SYSTEM, HEIGHT: 12 FT; DIAMETER: 2 FT 6 IN A/N: 487167 490362	D152				
SCRUBBER, GAS, VENTED TO VAPOR RECOVERY SYSTEM, HEIGHT: 8 FT; DIAMETER: 3 FT A/N: 487167 490362	D153				
SCRUBBER, GAS, VENTED TO VAPOR RECOVERY SYSTEM, HEIGHT: 7 FT; DIAMETER: 3 FT A/N: 487167 490362	D154				
VESSEL, SULFATREAT, VENTED TO VAPOR RECOVERY SYSTEM, HEIGHT: 27 FT; DIAMETER: 7 FT A/N: 487167 490362	D155				
VESSEL, SULFATREAT, VENTED TO VAPOR RECOVERY SYSTEM, HEIGHT: 27 FT; DIAMETER: 7 FT A/N: 487167 490362	D156				
VESSEL, FREE WATER KNOCKOUT, GAS DEHYDRATION, VENTED TO VAPOR RECOVERY SYSTEM, HEIGHT: 8 FT; DIAMETER: 4 FT A/N: 487167 490362	D157				
VESSEL, COOLANT, VENTED TO VAPOR RECOVERY SYSTEM, HEIGHT: 6 FT 6 IN; DIAMETER: 3 FT A/N: 487167 490362	D158				
SCRUBBER, SUCTION, GAS, VENTED TO VAPOR RECOVERY SYSTEM, HEIGHT: 6 FT; DIAMETER: 1 FT	D159				



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Equipment	ID No.	Connected To	Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
A/N: 487167 490362					
SCRUBBER, DISCHARGE, GAS, VENTED TO VAPOR RECOVERY SYSTEM, HEIGHT: 7 FT; DIAMETER: 2 FT A/N: 487167 490362	D160				
GAS SEPARATOR, V10, HEIGHT: 7 FT 6 IN; DIAMETER: 1 FT 2 IN A/N: 487167 490362	D174				
ABSORBER, V-21, CO2, HEIGHT: 7 FT 4 IN; DIAMETER: 3 FT 7 IN A/N: 487167 490362	D175				
ABSORBER, V-22, CO2, HEIGHT: 7 FT 4 IN; DIAMETER: 3 FT 7 IN A/N: 487167 490362	D176				
ABSORBER, V-23, CO2, HEIGHT: 7 FT 4 IN; DIAMETER: 3 FT 7 IN WITH COMPRESSOR, 125 HP ELECTRIC VACUUM COMPRESSOR A/N: 487167 490362	D177				
KNOCKOUT BOX, V-20, HEIGHT: 5 FT 6 IN; DIAMETER: 1 FT 4 IN A/N: 487167 490362	D178				
<b>Process 4: FUGITIVE EMISSIONS</b>					
FUGITIVE EMISSIONS, COMPRESSORS, IN HYDROCARBON GATHERING AND VAPOR RECOVERY SERVICE A/N: 487167 490362	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) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit

- (2) Denotes RECLAIM emission rate  
(4) Denotes BACT emissions limit



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- (5)(5A)(5B) Denotes command & 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.

**DEVICE CONDITIONS**

**E17.1 The operator shall not use more than 1 of the following items simultaneously:**

- Device ID: D43 [Floatation Unit]**
- Device ID: D185 [Floatation Unit]**

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

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

**[Devices subject to this condition: D43, D185]**

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, D185]**

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]**

**[Devices subject to this condition: D27, D28, D38, D39, D40, D41, D42, D43, D59, D60, D64, D65, D66, D68, D69, D130, D182, D183, D185]**

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

<u>Contaminant</u>	<u>Rule</u>	<u>Rule/Subpart</u>
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, D185]**

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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]

### **BACKGROUND**

Tidelands Oil Production Co. ("Tidelands") is an oil and gas production facility. This facility, known as the Z 1-2 tank farm, receives oil/water/gas mixtures from oil wells located in the Long Beach harbor and separates the oil, water, and gas to produce oil and gas. The facility is a RECLAIM/Title V facility. The initial Title V facility permit was issued on 6/1/08.

On 10/22/08, Tidelands submitted the following Class I modification applications. On 5/6/09, the facility submitted A/N 498900 for the Title V/RECLAIM facility permit amendment application.

A/N	Prior Permit (A/N)	Equipment	Device Nos.	Proposed Modification Changes	Recommended Disposition
490356 P/C for Modification	G7808 (A/N 487166)	Process 1: Crude Oil/Gas Production, System 3: Waste Water Treatment	D35-D36, D40-D44, D130, D182	Install additional Induced Static Flotation (ISF) unit, which will be vented to Vapor Recovery (see A/N 490362). Original: New unit will replace Tank 939 (D182), which will become a back-up to the ISF. <b>6/16/10 correction: Tank 935 (D43) will be replaced, not Tank 939 (D182).</b>	Approve after completion of EPA minor Title V revision review.
490362 P/C for Modification	G7807 (A/N)	Process 2: Vapor	D148- D160,	Install vent from ISF (see A/N 490356) to	Same.



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	487167)	Recovery/Fuel Gas Treatment & Process 4: Fugitive Emissions	D174- D178 & D70	vapor recovery system.	
498900		Title V/RECLAIM Facility Permit Amendment			Same.

The applications were not accepted as expedited due to the evolving restrictions of the permit moratorium. The evaluation was further delayed due to other pending applications for Tidelands that took precedence. In 7/22/10 e-mail, Bryan Hardwick, HES Specialist, stated the proposed ISF has not been installed and no work has occurred on the site. They are waiting for the Permits to Construct before beginning any work on the project.

*Note: A/N 490356 is the master file.*

**PROCESS DESCRIPTION**

This facility, known as the Z 1-2 tank farm, receives oil/water/gas mixtures from oil wells located in the Long Beach harbor.

1. A/N 490356 to modify Wastewater Treatment System, G7808 (A/N 487166)

a. Premodification

The wastewater system, proposed for modification, is found in Process 1, System 3. The produced water sent to the wastewater system is from Process 1, System 1 (D135, D136, D138, D39) and Process 1, System 2 (D45, D46, D47, D132, D133, D134, D140). The wastewater system produces cleaner produced water, by removing the excess oil.

The produced water is treated in the Skim Tanks (D40, D41), operated in parallel, then the Flotation Units (D43, D44), also operated in parallel. All four tanks function to remove any residual oil from the produced water, leaving "clean" water for reinjection into the oil reservoir. The flotation units maintain fluid levels at a constant height. Any residual oil within the water contained in the flotation units floats to the top of the tanks and is skimmed off via a gravity fed pipe into Float Cell Skim Tank 939 (D182). From Tank 939, the oily water is hard piped to Wash Tank 5 (D68) in Process 1, System 2. In addition, the small amounts of crude oil removed from the produced water in the tanks (D40, D41, D43, D44) are returned to Wash Tank 5.



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The filtered water from Flotation Units (D43, D44) enter the Filtered Water Storage Tank (D42), which is a water storage tank that contains the final clean water used for reinjection via the water injection wells. Emergency Water Storage Tank (D130) is an overflow tank, which is used in the event of an upset in the system. Knockout pots (D35, D36) remove condensate from the vapor recovery lines.

b. Post Modification

The facility proposes to install a new Induced Static Floating (ISF) tank (new D185) to replace existing Flotation Unit (D43), which will become the backup tank that will be put into service only during maintenance and repair of the ISF. The ISF tank, Cameron model 340XS, is designed to remove oil and suspended solids from produced water. (The practice is to not include the make and model no. for flotation units in the permit equipment description.)

The proposed ISF will tie into the existing inlet piping to and the outlet piping from Flotation Unit (D43). Thus the inlet streams to and the outlet streams from the ISF will be the same as for Tank D43. The produced water fed into the ISF is from Skim Tanks (D40, D41). The produced water from the ISF flows into Tank (D42). Any oil from the ISF is returned to Wash Tank 5 (D68) in Process 1, System 2. The produced gas vents to vapor recovery, see A/N 490362.

The ISF tank works as follows: A high-velocity stream of recycled treated (mechanically cleaned) water enters through educator nozzles in the bottom of the cylindrical vessel into cells which contain the influent produced water. This stream induces a recirculating flow of produced gas from the vessel freeboard into the influent produced water, and an educator arrangement distributes small gas bubbles uniformly throughout the cell volume. These bubbles lift contaminants to the liquid surface and form a froth layer, which is then skimmed from the liquid surface by a simple collection trough. Produced gas and a small volume of treated water are continuously recycled from the degassing chamber into the treatment cells by a recirculating pump. The skim cycles are automatically initiated by a timer and the cycle interval, duration and level setpoints are all user-selectable. The ISF cells are designed to provide 90% of greater oil removal and 80% or greater removal of non-oil solids at full design capacity. All equipment is skid mounted for rapid installation and start-up.

The advantages of the ISF over the Flotation Unit (D43) is that the ISF is more energy efficient and produces cleaner water for reinjection. With its staged segmented design, the ISF acts like six flotation units. Further, the ISF is a pressure vessel, operating vapor tight throughout its operating range, whereas Flotation Unit (D43) is an atmospheric tank.



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2. A/N 490362 to modify Vapor Recovery, G7807 (A/N 487167)

a. Premodification

All produced gas, which is associated with the oil production, oil storage, and wastewater treatment is handled by the Vapor Recovery System, found in Process 2. The various scrubbers are used to remove liquid from the gas streams at various points in the system. The suction scrubber (D159) receives the vapors from the tanks in the wastewater system in Process 1, System 3. After the suction scrubber, the vapors are sent to the discharge scrubber (D160). From the discharge scrubber, the vapors travel to the Sulfa Treat Vessels (D155, D156), which reduces the sulfur in the gas. The sulfur removal process is followed by the dehydration of the gas in the Free Water Knockout (D157) and the Coolant Vessel (D158).

Once the gas is dehydrated, it is sent to the CO<sub>2</sub> removal equipment (D174, D175, D176, D177, and D178), because the produced gas contains a very large amount of CO<sub>2</sub>. In order to be able to sell the gas to the City of Long Beach, the gas is passed through the CO<sub>2</sub> absorbers (D175, D176, and D177). This creates a gas stream which is high in CO<sub>2</sub> and a gas stream which is low in CO<sub>2</sub>. The gas stream which is low in CO<sub>2</sub> is sold, and the gas stream which is high in CO<sub>2</sub> is used as fuel in the facility.

b. Post Modification

The produced gas from the proposed ISF (D185) will also vent to vapor recovery, specifically, to the suction scrubber (D159), the same as D43. The CO<sub>2</sub> removal equipment is not affected.

**EMISSIONS CALCULATIONS**

1. A/N 490356 to modify G7808 (A/N 487166)

a. Prior to modification, G7808

The emissions were determined in A/N 280001. (Subsequent applications--A/N 442506 for a modification concluded the emissions would not change, and A/N 487166 was for an administrative change.)

Operating Schedule: 52 wk/yr, 7 days/wk, 24 hr/day  
ROG = 0.17 lb/hr = 4.08 lb/day                      30 DA = 4 lb/day

From A/N 280001:

The applicant provided a spreadsheet detailing the computations for breathing and working losses for both the crude oil/water separation facility and the wastewater treatment plant. The following are the uncontrolled and controlled tank emissions from the facility's wastewater treatment plant:



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R1 = 3,811 lb/yr = 10.44 lb/day  
 R2 = 38 lb/yr = 0.104 lb/day

Fugitive emissions:

(12 lb/valve-yr) (52 valves)(1 yr/365 days) = 1.71 lb/day  
 145 lb/com-yr) (1 compressor) (1 yr/365 days) = 0.39 lb/day  
 (4.9 lb/fitting-yr) (148 fittings) (1 yr/365 days) = 1.99 lb/day

TOTALS:

R1 = 14.53 lb/day  
 R2 = 4.19 lb/day

b. A/N 490356—Subsequent to Modification

The new ISF (D185) will tie into the inlet piping to and the outlet piping from existing Flootation Unit (D43), which will become the spare. Condition E17.1 will allow only D185 or D43 to be operated at any one time. Consequently, there will not be a change in VOC emissions associated with operating the new ISF because the number of fugitive components for the new ISF are almost the same as for the existing Flootation Unit.

2. A/N 490362 to modify G7807 (A/N 487167)

a. Prior to Modification, G7807

The emissions were determined in A/N 319590. (Subsequent applications--A/N 401694 for a modification concluded the emissions would not change, and A/N 487167 was for an administrative change.)

Operating Schedule: 52 wk/yr, 7 days/wk, 24 hr/day  
 ROG = 1.08 lb/hr = 25.2 lb/day      30 DA = 26 lb/day

From A/N 319590:

Emissions are all fugitive emissions. The emissions calculations, based on SCAQMD Form P1, were provided by the applicant. TOG = ROG + CH<sub>4</sub>.

Components	No.	Factors ROG/TOG lb/yr	Emissions ROG/TOG lb/yr	Emissions ROG/TOG lb/day	Emissions ROG/TOG lb/hr
Valves in ROG vapor service	140	12 // 72	1,680 // 10,080	4.615 // 27.692	0.1923 // 1.1538
Fittings, hatches, sight-glasses,	660	4.9 // 4.9	3,234 // 3,234	8.885 // 8.885	0.3702 // 0.3702



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meters, flanges, etc.					
Compressors in vapor recovery service	2	145 // 850	4,399 // 1,700	12.083 // 4.670	0.5035 // 0.1946
Total Emissions			9,313 // 15,014	25.583 // 41.247	1.0660 // 1.7186

b. A/N 490362—Subsequent to Modification

As explained above, there will not be a change in VOC emissions associated with operating the new ISF because the number of fugitive components for the new ISF (D185) are almost the same as for the existing Floatation Unit (D43).

**RULE EVALUATION**

The modifications to the wastewater system and the vapor recovery system are expected to comply with all applicable SCAQMD rules and regulations as follows:

Rule 212—Standards for Approving Permits

Public notice is not required because there will not be an increase of any emissions. For the record, the nearest K-12 school--Cesar Chavez Elementary School, 730 W. 3<sup>rd</sup> St., Long Beach—is located approximately 1.22 miles to the north.

Rule 464—Wastewater Separators

Subdivision (a)(1) defines “wastewater separator” as wastewater treatment equipment used to separate petroleum-derived compounds from wastewater, such as the proposed ISF. Subdivision (b)(1) requires a solid cover with all openings sealed and totally enclosing the liquid contents of the compartment. Accordingly, condition E57.1 requires the ISF to be vented to vapor recovery. Subdivision (b)(2) requires any gauging and sampling device in the compartment cover to be equipped with a cover. The cover shall be in a closed position at all times, except when the device is in actual use. Condition 127.1 implements these requirements. Condition H23.1 states the ISF is subject to the applicable requirements of Rule 464.

Rule 1173—Control of Volatile Organic Compound Leaks and Releases from Components at Petroleum Facilities and Chemical Plants

The facility currently complies through its ongoing fugitive I&M program that checks for liquid and gaseous leaks in all components in VOC service.

Rule 1176—VOC Emissions from Wastewater Systems

Rule 1176(e)(2)(A) specifies that wastewater separators shall be provided with one of three options, including (ii) a fixed cover, equipped with a closed vent system vented to an APC device as specified

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in paragraph (e)(6). Subdivision (e)(6) specifies that an APC device shall meet one of the three options, including (A) an APC device receiving vapors from a closed vent system with a control efficiency of 95% by weight or greater. These requirements will be met because the ISF will be vented to the existing vapor recovery system as required by condition E57.1. Condition H23.1 states the ISF is subject to the applicable requirements of Rule 1176.

Regulation XIII—New Source Review

- Rule 1303(a)—BACT
- Rule 1303(b)(1)—Modeling
- Rule 1303(b)(2)—Offsets

The BACT, modeling, and offsets requirements are not triggered because there will not be an increase in emissions.

Regulation XXX—Title V Permits

- Rule 3003—Applications

As noted above, this facility is a RECLAIM facility. The proposed project is considered as a “minor permit revision” for RECLAIM pollutant, non-RECLAIM pollutants, and hazardous air pollutants (HAPs) to the RECLAIM/Title V permit for this facility. Rule 3000(b)(12) specifies that a “minor permit revision” includes, but is not limited to any Title V permit revision that:

- Rule 3000(b)(12)(A)(v)—does not result in an emission increase of any RECLAIM pollutant over the facility’s starting allocation plus the non-tradeable Allocation, or higher Allocation amount which has previously undergone a significant permit revision process.
- Rule 3000(b)(12)(A)(vi)—does not result in an increase in emissions of a pollutant subject to Regulation XIII = New Source Review (non-RECLAIM pollutants) or a hazardous air pollutant (HAP).

The proposed project is not expected to result in an emission increase of any RECLAIM pollutant or an increase in emissions of a pollutant subject to Regulation XIII - New Source Review (non-RECLAIM pollutants) or a hazardous air pollutant (HAP), and therefore is considered as a “minor permit revision” pursuant to Rule 3000(b)(12)(A)(v) and rule 3000(b)(12)(A)(vi).

This proposed project is the sixth revision (Rev. 30) to the initial Title V facility permit issued to this facility on June 1, 2008 as Rev. 24. (These revisions include the annual revisions to Section B: RECLAIM Annual Emission Allocation issued each July 1.)

Permit Revisions, Emissions Changes and Cumulative Emissions

For table summarizing the permit revisions since the renewal Title V permit was issued, the associated emissions changes, and the total cumulative emissions, see memo to file, dated 7/22/10.



**SOUTH COAST AIR QUALITY MANAGEMENT  
DISTRICT**

**ENGINEERING AND COMPLIANCE**

**APPLICATION PROCESSING AND CALCULATIONS**

PAGES  
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PAGE  
13

APPL. NO.  
490356, 490362, 498900

DATE  
7/28/10

PROCESSED BY  
V. Lee

CHECKED BY

**RECOMMENDATION**

The proposed project is expected to comply with all applicable District Rules and Regulations. Since the proposed project is considered as a "minor permit revision," it is exempt from the public participation requirements under Rule 3006(b). A proposed permit incorporating this permit revision will be submitted to EPA for a 45-day review pursuant to Rule 3003(j). If EPA does not have any objections within the review period, a revised Title V permit will be issued to this facility.

## **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

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

## FACILITY PERMIT TO OPERATE TIDELANDS OIL PRODUCTION CO

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Section	Description	Revision #	Date Issued
A	Facility Information	DRAFT	07/29/2010
B	RECLAIM Annual Emission Allocation	DRAFT	07/29/2010
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D	Facility Description and Equipment Specific Conditions	DRAFT	07/29/2010
E	Administrative Conditions	DRAFT	07/29/2010
F	RECLAIM Monitoring and Source Testing Requirements	DRAFT	07/29/2010
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A	NOx and SOx Emitting Equipment Exempt From Written Permit Pursuant to Rule 219	DRAFT	07/29/2010
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## 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

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

\*\* 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.

## 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>					
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 I: CRUDE OIL/GAS PRODUCTION</b>					
POT, CONDENSATE TRAP, IN HYDROCARBON GATHERING AND VAPOR RECOVERY SYSTEM, HEIGHT: 10 FT ; DIAMETER: 3 FT A/N:	D35				
POT, CONDENSATE TRAP, IN HYDROCARBON GATHERING AND VAPOR RECOVERY SYSTEM, HEIGHT: 10 FT ; DIAMETER: 3 FT A/N:	D36				
STORAGE TANK, FIXED ROOF, NORTH SKIM, WASTE WATER, VENTED TO VAPOR RECOVERY SYSTEM, 2000 BBL, DIAMETER: 30 FT ; HEIGHT: 16 FT A/N:	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:	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:	D42				E57.1, E127.1, H23.1
FLOATATION UNIT, NORTH, TANK #935, VENTED TO VAPOR RECOVERY SYSTEM, 0 BBL; DIAMETER: 30 FT ; HEIGHT: 24 FT A/N:	D43				E17.1, 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, INDUCED STATIC, VENTED TO VAPOR RECOVERY, 100000 BBL; DIAMETER: 10 FT 6 IN; LENGTH: 40 FT A/N:	D185				E17.1, E57.1, E127.1, H23.1
FLOATATION UNIT, SOUTH, TANK #936, VENTED TO VAPOR RECOVERY SYSTEM, 3000 BBL; DIAMETER: 30 FT ; HEIGHT: 24 FT A/N:	D44				E57.1, H23.1
STORAGE TANK, EMERGENCY WATER, VENTED TO VAPOR RECOVERY SYSTEM, 6667 BBL; DIAMETER: 55 FT ; HEIGHT: 16 FT A/N:	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:	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:	D148				
SCRUBBER, GAS, VENTED TO VAPOR RECOVERY SYSTEM, HEIGHT: 10 FT ; DIAMETER: 2 FT 6 IN A/N:	D149				

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

\*\* 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: 11 FT ; DIAMETER: 2 FT 6 IN A/N:	D150				
SCRUBBER, GAS, VENTED TO VAPOR RECOVERY SYSTEM, HEIGHT: 12 FT ; DIAMETER: 2 FT 6 IN A/N:	D151				
SCRUBBER, GAS, VENTED TO VAPOR RECOVERY SYSTEM, HEIGHT: 12 FT ; DIAMETER: 2 FT 6 IN A/N:	D152				
SCRUBBER, GAS, VENTED TO VAPOR RECOVERY SYSTEM, HEIGHT: 8 FT ; DIAMETER: 3 FT A/N:	D153				
SCRUBBER, GAS, VENTED TO VAPOR RECOVERY SYSTEM, HEIGHT: 7 FT ; DIAMETER: 3 FT A/N:	D154				
VESSEL, SULFATREAT, VENTED TO VAPOR RECOVERY SYSTEM, HEIGHT: 27 FT ; DIAMETER: 7 FT A/N:	D155				
VESSEL, SULFATREAT, VENTED TO VAPOR RECOVERY SYSTEM, HEIGHT: 27 FT ; DIAMETER: 7 FT A/N:	D156				

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
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 (9) See App B for Emission Limits  
 (2) (2A) (2B) Denotes RECLAIM emission rate  
 (4) Denotes BACT emission limit  
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 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
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\*\* 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, FREE WATER KNOCKOUT, GAS DEHYDRATION, VENTED TO VAPOR RECOVERY SYSTEM, HEIGHT: 8 FT ; DIAMETER: 4 FT A/N:	D157				
VESSEL, COOLANT, VENTED TO VAPOR RECOVERY SYSTEM, HEIGHT: 6 FT 6 IN; DIAMETER: 3 FT A/N:	D158				
SCRUBBER, SUCTION, GAS, VENTED TO VAPOR RECOVERY SYSTEM, HEIGHT: 6 FT ; DIAMETER: 1 FT A/N:	D159				
SCRUBBER, DISCHARGE, GAS, VENTED TO VAPOR RECOVERY SYSTEM, HEIGHT: 7 FT ; DIAMETER: 2 FT A/N:	D160				
GAS SEPARATOR, V10, HEIGHT: 7 FT 6 IN, DIAMETER: 1 FT 2 IN A/N:	D174				
ABSORBER, V-21, CO2, HEIGHT: 7 FT 4 IN; DIAMETER: 3 FT 7 IN A/N:	D175				
ABSORBER, V-22, CO2, HEIGHT: 7 FT 4 IN; DIAMETER: 3 FT 7 IN A/N:	D176				

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

\*\* 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>					
ABSORBER, V-23, CO2, HEIGHT: 7 FT 4 IN; DIAMETER: 3 FT 7 IN WITH A/N:  COMPRESSOR, 125 HP ELECTRIC VACUUM COMPRESSOR	D177				
KNOCKOUT BOX, V-20, HEIGHT: 5 FT 6 IN; DIAMETER: 1 FT 4 IN A/N:	D178				
<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:	D70				H23.5

- \* (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 4: FUGITIVE EMISSIONS</b>					
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
<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>					

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

\*\* 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 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>					
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

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

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

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

## **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
D27	9	3	0
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	10	4	0
D72	10	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**

<b>Device Index For Section D</b>			
<b>Device ID</b>	<b>Section D Page No.</b>	<b>Process</b>	<b>System</b>
D140	2	1	2
D146	11	7	0
D148	6	2	0
D149	6	2	0
D150	7	2	0
D151	7	2	0
D152	7	2	0
D153	7	2	0
D154	7	2	0
D155	7	2	0
D156	7	2	0
D157	8	2	0
D158	8	2	0
D159	8	2	0
D160	8	2	0
D163	10	4	0
D164	10	4	0
D165	10	4	0
E166	11	6	0
E167	11	6	0
E169	11	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	9	2	0
D178	9	2	0
C180	9	3	0
C181	9	3	0
D182	6	1	3
D183	4	1	2
D185	6	1	3

## 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 TIDELANDS OIL PRODUCTION CO

### 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**

E17.1 The operator shall not use more than 1 of the following items simultaneously:

Device ID: D43 [FLOATATION UNIT]

Device ID: D185 [FLOATATION UNIT]

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

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

[Devices subject to this condition : D43, D185]

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, D185]

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.

## 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:**

[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**]

[Devices subject to this condition : D27, D28, D38, D39, D40, D41, D42, D43, D59, D60, D64, D65, D66, D68, D69, D130, D182, D183, D185]

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.

## 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:**

[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]

[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]

## 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:**

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]

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]

## 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:

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.

[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

## 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:**

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, D185]

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

Contaminant	Rule	Rule/Subpart
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]**

## 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, 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:

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**]

## 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 : 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**

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):

## 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:**

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):
- 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):

## **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:**

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]