

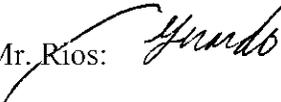
South Coast Air Quality Management District

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

March 12, 2010

Gerardo Rios (R9AirPermits_sc@epa.gov)
Chief – Permits Office
U.S. EPA - Region IX Air - 3
75 Hawthorne Street
San Francisco, CA 94105

Subject: Transmittal of Final Initial Title V Permit
Facility Permit ID #151178

Dear Mr. Rios: 

Enclosed is one final Initial Title V permit issued by the South Coast Air Quality Management District (AQMD). A copy of the facility permit is attached. The draft copy of this permit has been submitted to EPA Region IX for review and made available for a 30-day public comment period. The AQMD did not receive any public comments on the draft permits.

If there are specific questions on the final permit, please contact Vicky Lee of our General Commercial & Energy team at (909) 396-2284 or vlee1@aqmd.gov. Questions on the AQMD's Title V permitting program may be referred to me at (909) 396-2662 or Michael D. Mills, the Manager of the team, at (909) 396-2578.

Sincerely,



Mohsen Nazemi, P.E.
Assistant Deputy Executive Officer
Engineering and Compliance

MN:MDM:MYL:RC:VL

Enclosure

cc: Title V/RECLAIM Facility File
Title V/RECLAIM Administrative File

Sent via Electronic Transmittal



South Coast Air Quality Management District

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

March 12, 2010

Marina Robertson, HSE Manager
Pacific Energy Resources, Ltd.
111 W. Ocean Blvd., Suite 1240
Long Beach, CA 90802-4622

Subject: Transmittal of Final Initial Title V Permit
Pacific Energy Resources, Ltd., Facility ID 151178
OCS Lease Parcels P300/P301, Huntington Beach, CA 92648

Dear Ms. Robertson:

Enclosed is your facility's final Initial Title V Permit that has been issued by the South Coast Air Quality Management District (AQMD). As of March 12, 2010, the Title V permit replaces all existing Permits to Operate and Permits to Construct that have been issued by the AQMD to Pacific Energy Resources, Ltd. (Facility ID 151178).

Thank you for providing the necessary information that allowed the AQMD to complete the evaluation of your facility with respect to the federal Title V requirements. If there are questions about the Title V permit or revisions to the permit, please contact the processing engineer, Ms. Vicky Lee at (909) 396-2284 or vlee1@aqmd.gov, or Michael D. Mills, Senior Engineering Manager of the General Commercial & Energy team at (909) 396-2578.

Sincerely,

A handwritten signature in black ink, appearing to read 'Mohsen Nazemi', is written over a horizontal line.

Mohsen Nazemi, P.E.
Assistant Deputy Executive Officer
Engineering and Compliance

MN:MDM:MYL:RC:VL

Enclosure

cc: Title V/RECLAIM Facility File
Title V/RECLAIM Administrative File

Certified Mail
Return Receipt Requested



FACILITY PERMIT TO OPERATE

**PACIFIC ENERGY RESOURCES, LTD.
OCS LEASE PARCELS P300/P301
HUNTINGTON BEACH, CA 92648**

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
PACIFIC ENERGY RESOURCES, LTD.**

TABLE OF CONTENTS

Section	Description	Revision #	Date Issued
A	Facility Information	3	03/12/2010
B	RECLAIM Annual Emission Allocation	5	01/01/2010
C	Facility Plot Plan	TO BE DEVELOPED	
D	Facility Description and Equipment Specific Conditions	3	03/12/2010
E	Administrative Conditions	0	08/21/2007
F	RECLAIM Monitoring and Source Testing Requirements	0	08/21/2007
G	Recordkeeping and Reporting Requirements for RECLAIM Sources	0	08/21/2007
H	Permit To Construct and Temporary Permit to Operate	3	03/12/2010
I	Compliance Plans & Schedules	0	08/21/2007
J	Air Toxics	0	08/21/2007
K	Title V Administration	1	03/12/2010
Appendix			
A	NOx and SOx Emitting Equipment Exempt From Written Permit Pursuant to Rule 219	1	03/12/2010
B	Rule Emission Limits	1	03/12/2010



FACILITY PERMIT TO OPERATE
PACIFIC ENERGY RESOURCES, LTD.

SECTION A: FACILITY INFORMATION

LEGAL OWNER &/OR OPERATOR: PACIFIC ENERGY RESOURCES, LTD.

LEGAL OPERATOR (if different than owner):

EQUIPMENT LOCATION: OCS LEASE PARCELS P300/P301
HUNTINGTON BEACH, CA 92648

MAILING ADDRESS: 111 W OCEAN BLVD SUITE 1240
LONG BEACH, CA 90802-4622

RESPONSIBLE OFFICIAL: STEVE LILES

TITLE: VICE PRESIDENT

TELEPHONE NUMBER: (562) 628-1539

CONTACT PERSON: MARINA ROBERTSON

TITLE: HSE MANAGER

TELEPHONE NUMBER: (562) 683-3497

INITIAL TITLE V PERMIT ISSUED: March 12, 2010

TITLE V PERMIT EXPIRATION DATE: March 11, 2015

TITLE V		RECLAIM	
YES	NOx:	YES	
	SOx:	NO	
	CYCLE:	1	
	ZONE:	COASTAL	



FACILITY PERMIT TO OPERATE
PACIFIC ENERGY RESOURCES, LTD.

SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

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

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

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

RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)

Year Begin End (month/year)	Zone	NOx RTC Initially Allocated	NOx RTC ¹ Holding as of 01/01/2010 (pounds)	Non-Tradable ² Non-Usable RTCs (pounds)
7/2007 6/2008	Coastal	0	0	0
7/2007 6/2008	Inland	0	2187	0
1/2008 12/2008	Coastal	67531	229	0
7/2008 6/2009	Coastal	0	110402	0
7/2008 6/2009	Inland	0	74098	0
1/2009 12/2009	Coastal	67531	41261	0
7/2009 6/2010	Coastal	0	2500	0
1/2009 12/2009	Inland	0	133322	0
1/2010 12/2010	Coastal	67531	54040	0
1/2011 12/2011	Coastal	67531	52337	0
1/2012 12/2012	Coastal	67531	52337	0
1/2013 12/2013	Coastal	67531	52337	0
1/2014 12/2014	Coastal	67531	52337	0
1/2015 12/2015	Coastal	67531	52337	0
1/2016 12/2016	Coastal	67531	52337	0
1/2017 12/2017	Coastal	67531	52337	0
1/2018 12/2018	Coastal	67531	52337	0

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
PACIFIC ENERGY RESOURCES, LTD.**

SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

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

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

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

RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)

Year Begin End (month/year)	Zone	NOx RTC Initially Allocated	NOx RTC ¹ Holding as of 01/01/2010 (pounds)	Non-Tradable ² Non-Usable RTCs (pounds)
1/2019 12/2019	Coastal	67531	52337	0
1/2020 12/2020	Coastal	67531	52337	0
1/2021 12/2021	Coastal	67531	52337	0
1/2022 12/2022	Coastal	67531	52337	0
1/2023 12/2023	Coastal	67531	52337	0
1/2024 12/2024	Coastal	67531	52337	0
1/2025 12/2025	Coastal	67531	52337	0

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
PACIFIC ENERGY RESOURCES, LTD.

SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

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

Year		Zone	NOx RTC	Non-Tradable
Begin	End		Starting Allocation	Credits(NTC)
(month/year)			(pounds)	(pounds)
1/1994	12/1994	Inland	651700	0



FACILITY PERMIT TO OPERATE
PACIFIC ENERGY RESOURCES, LTD.

SECTION C: FACILITY PLOT PLAN

(TO BE DEVELOPED)



FACILITY PERMIT TO OPERATE
PACIFIC ENERGY RESOURCES, LTD.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: CRUDE OIL PRODUCTION					
System 1: OIL/WATER/GAS SEPARATION - PLATFORM ELLEN					S13.1
VESSEL, SEPARATOR, BLOW DOWN, V-101, VENTED TO VAPOR RECOVERY SYSTEM, EMERGENCY PRESSURE RELIEF VALVE VENTED TO DRUM, HEIGHT: 8 FT ; DIAMETER: 2 FT 8 IN A/N: 497444	D1	D54 D56 D108 D184			
System 2: OIL/WATER/GAS SEPARATION - PLATFORM EUREKA					S13.1
VESSEL, MAM-1102A, FREE WATER KNOCKOUT, VENTED TO VAPOR RECOVERY SYSTEM, EMERGENCY PRESSURE RELIEF VALVES VENTED TO SCRUBBER, LENGTH: 15 FT ; DIAMETER: 6 FT A/N: 497444	D2	D46 D48 D105			
VESSEL, MAM-1102B, FREE WATER KNOCKOUT, VENTED TO VAPOR RECOVERY SYSTEM, EMERGENCY PRESSURE RELIEF VALVES VENTED TO SCRUBBER, LENGTH: 15 FT ; DIAMETER: 6 FT A/N: 497444	D3	D46 D48 D105			
VESSEL, SEPARATOR, TEST, MBD-1104A, VENTED TO VAPOR RECOVERY SYSTEM, EMERGENCY PRESSURE RELIEF VALVES VENTED TO SCRUBBER, LENGTH: 15 FT ; DIAMETER: 6 FT A/N: 497444	D4	D46 D48 D105			

* (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
PACIFIC ENERGY RESOURCES, LTD.**

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: CRUDE OIL PRODUCTION					
VESSEL, SEPARATOR, TEST, MBD-1104B, VENTED TO VAPOR RECOVERY SYSTEM, EMERGENCY PRESSURE RELIEF VALVES VENTED TO SCRUBBER, LENGTH: 15 FT ; DIAMETER: 6 FT A/N: 497444	D5	D46 D48 D105			
VESSEL, MAY-1101, HEATED, PRODUCTION SURGE, PRESSURE VESSEL, VENTED TO VAPOR RECOVERY, SYSTEM, EMERGENCY PRESSURE RELIEF VALVE VENTED TO SCRUBBER, HEIGHT: 30 FT ; DIAMETER: 12 FT A/N: 497444	D6	D46 D48 D105			
VESSEL, MAY-1116, WELL CLEAN-UP SURGE, VENTED TO VAPOR RECOVERY SYSTEM, EMERGENCY PRESSURE RELIEF VALVE VENTED TO SCRUBBER, HEIGHT: 9 FT ; DIAMETER: 4 FT A/N: 497444	D7	D46 D48 D105			
TANK, HEATED, ABJ-1105, WELL CLEAN UP, CRUDE OIL, 1000 BBL; WIDTH: 15 FT ; HEIGHT: 14 FT 6 IN; LENGTH: 30 FT A/N: 497444	D8	D158			E127.1, H23.4, H23.6
VESSEL, KAH-1603, CRUDE OIL LAUNCHER, LENGTH: 8 FT 10 IN; DIAMETER: 1 FT 4 IN A/N: 497444	D159				
System 3: OIL/WATER/GAS SEPARATION - PLATFORM ELLY					S13.1

* (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
PACIFIC ENERGY RESOURCES, LTD.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: CRUDE OIL PRODUCTION					
VESSEL, RECEIVER, U-08, EUREKA OIL, DIAMETER: 1 FT 4 IN A/N: 497444	D9				
VESSEL, RECEIVER, M5, EDITH OIL, LENGTH: 3 FT ; DIAMETER: 8 IN A/N: 497444	D10				
VESSEL, TREATER, V-03A, WELL TEST/CLEAN UP, PRESSURE VESSEL, CRUDE OIL, VENTED TO VAPOR RECOVERY SYSTEM, EMERGENCY PRESSURE RELIEF VALVES VENTED TO DRUM, HEIGHT: 17 FT ; DIAMETER: 8 FT A/N: 497444	D11	D54 D56 D108 D184			
VESSEL, TREATER, V-03B, WELL TEST/CLEAN UP, PRESSURE VESSEL, CRUDE OIL, VENTED TO VAPOR RECOVERY SYSTEM, EMERGENCY PRESSURE RELIEF VALVES VENTED TO DRUM, HEIGHT: 17 FT ; DIAMETER: 8 FT A/N: 497444	D12	D54 D56 D108 D184			
VESSEL, V-01A, FREE WATER KNOCKOUT, HEATED, CRUDE OIL, VENTED TO VAPOR RECOVERY SYSTEM, EMERGENCY PRESSURE RELIEF VALVES VENTED TO DRUM, LENGTH: 40 FT ; DIAMETER: 10 FT A/N: 497444	D13	D56 D108 D184			

* (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
PACIFIC ENERGY RESOURCES, LTD.**

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: CRUDE OIL PRODUCTION					
VESSEL, V-01B, FREE WATER KNOCKOUT, HEATED, CRUDE OIL, VENTED TO VAPOR RECOVERY SYSTEM, EMERGENCY PRESSURE RELIEF VALVES VENTED TO DRUM, LENGTH: 40 FT ; DIAMETER: 10 FT A/N: 497444	D14	D56 D108 D184			
VESSEL, TREATER, V-02A, PRESSURE VESSEL, HEATED, CRUDE OIL, VENTED TO VAPOR RECOVERY SYSTEM, EMERGENCY PRESSURE RELIEF VALVES VENTED TO DRUM, LENGTH: 45 FT ; DIAMETER: 12 FT A/N: 497444	D15	D54 D56 D108 D184			
VESSEL, TREATER, V-02B, PRESSURE VESSEL, HEATED, CRUDE OIL, VENTED TO VAPOR RECOVERY SYSTEM, EMERGENCY PRESSURE RELIEF VALVES VENTED TO DRUM, LENGTH: 45 FT ; DIAMETER: 12 FT A/N: 497444	D16	D54 D56 D108 D184			
TANK, HOLDING, S-02A, WET CRUDE OIL, VENTED TO VAPOR RECOVERY SYSTEM, 500 BBL; WIDTH: 7 FT ; HEIGHT: 14 FT ; LENGTH: 30 FT A/N: 497444	D17	D54 D56 D184			E127.1, H23.4, H23.6

- * (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
PACIFIC ENERGY RESOURCES, LTD.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: CRUDE OIL PRODUCTION					
TANK, HOLDING, S-02B, DRY CRUDE OIL, VENTED TO VAPOR RECOVERY SYSTEM, 2500 BBL; WIDTH: 30 FT ; HEIGHT: 14 FT ; LENGTH: 36 FT A/N: 497444	D18	D54 D56 D184			E127.1, H23.4, H23.6
TANK, HOLDING, TK-1000, DRY CRUDE OIL, VENTED TO VAPOR RECOVERY SYSTEM, 600 BBL; WIDTH: 13 FT ; HEIGHT: 15 FT ; LENGTH: 17 FT A/N: 497444	D19	D54 D56 D184			E127.1, H23.4, H23.6
TANK, HOLDING, TK-1001, DRY CRUDE OIL, VENTED TO VAPOR RECOVERY SYSTEM, 600 BBL; WIDTH: 13 FT ; HEIGHT: 15 FT ; LENGTH: 17 FT A/N: 497444	D20	D54 D56 D184			E127.1, H23.4, H23.6
VESSEL, SPHERE LAUNCHER, U-10, DIAMETER: 1 FT 8 IN A/N: 497444	D21				
System 4: WASTE WATER TREATMENT - PLATFORM ELLEN					
TANK, U-16, EMERGENCY SUMP, TANK OVERFLOW, 244 BBL; DIAMETER: 3 FT ; HEIGHT: 194 FT A/N: 497442	D22	D175			E127.2, H23.1
TANK, HOLDING, U-17B, DRAIN WATER, 76 BBL; DIAMETER: 6 FT ; HEIGHT: 15 FT A/N: 497442	D23	D175			E127.2, H23.1

* (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
PACIFIC ENERGY RESOURCES, LTD.**

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: CRUDE OIL PRODUCTION					
TANK, HOLDING, U-18B, CRUDE OIL, 19 BBL; DIAMETER: 3 FT ; HEIGHT: 15 FT A/N: 497442	D24	D175			E127.2, H23.1
TANK, HOLDING, U-17A, DRAIN WATER, 76 BBL; DIAMETER: 6 FT ; HEIGHT: 15 FT A/N: 497442	D25	D175			E127.2, H23.1
TANK, HOLDING, U-18A, CRUDE OIL, 19 BBL; DIAMETER: 3 FT ; HEIGHT: 15 FT A/N: 497442	D26	D175			E127.2, H23.1
System 5: WASTE WATER TREATMENT - PLATFORM EUREKA					
TANK, HOLDING, ABH-1107, DRAIN WATER, 81 BBL; DIAMETER: 6 FT ; LENGTH: 16 FT A/N: 497442	D27	D158			E127.2, H23.1
TANK, HOLDING, ABH-1108, CRUDE OIL, 32 BBL; DIAMETER: 4 FT ; HEIGHT: 16 FT A/N: 497442	D28	D158			E127.2, H23.1
TANK, ABH-1109, EMERGENCY SUMP, TANK OVERFLOWS, 268 BBL; DIAMETER: 3 FT ; HEIGHT: 213 FT A/N: 497442	D29	D158			E127.2, H23.1
VESSEL, RECEIVER, KAQ-1602, INJECTION WATER, LENGTH: 8 FT 8 IN; DIAMETER: 1 FT A/N: 497442	D30				
System 6: WASTE WATER TREATMENT - PLATFORM ELLY					

* (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
PACIFIC ENERGY RESOURCES, LTD.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: CRUDE OIL PRODUCTION					
VESSEL, SEPARATOR, V-1000, SOURCE WATER, PRESSURE VESSEL, VENTED TO VAPOR RECOVERY SYSTEM, EMERGENCY PRESSURE RELIEF VALVE VENTED TO DRUM, HEIGHT: 10 FT ; DIAMETER: 5 FT A/N: 497442	D31	D54 D56 D108 D184			H23.1
TANK, HOLDING, S-01A, PRODUCED WATER, VENTED TO VAPOR RECOVERY SYSTEM, 800 BBL; WIDTH: 14 FT ; HEIGHT: 12 FT ; LENGTH: 30 FT A/N: 497442	D32	D54 D56 D184			E127.1, H23.4, H23.6
TANK, HOLDING, S-01B, PRODUCED WATER, VENTED TO VAPOR RECOVERY SYSTEM, 800 BBL; WIDTH: 14 FT ; HEIGHT: 12 FT ; LENGTH: 30 FT A/N: 497442	D33	D54 D56 D184			E127.1, H23.4, H23.6
FLOATATION UNIT, U-01A, WEMCO, MODEL 120, 213 BBL A/N: 497442	D34				E448.1, H23.1
FLOATATION UNIT, U-01B, WEMCO, MODEL 120, 213 BBL A/N: 497442	D35				E448.1, H23.1
TANK, U-02A, OILY WATER, OILY WATER SUMP, 32 BBL; DIAMETER: 3 FT 6 IN; HEIGHT: 18 FT 9 IN A/N: 497442	D172				E127.2, E448.1, H23.1
TANK, U-02B, OILY WATER, OILY WATER SUMP, 32 BBL; DIAMETER: 3 FT 6 IN; HEIGHT: 18 FT 9 IN A/N: 497442	D173				E127.2, E448.1, H23.1

* (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
PACIFIC ENERGY RESOURCES, LTD.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: CRUDE OIL PRODUCTION					
TANK, SURGE, S-04, FILTER BACKWASH SUPPLY WATER, VENTED TO VAPOR RECOVERY SYSTEM, 400 BBL; WIDTH: 15 FT; HEIGHT: 12 FT; LENGTH: 15 FT A/N: 497442	D36	D54 D56 D184			E127.2, H23.1
TANK, SURGE, S-03, FILTERED PRODUCED/SOURCE WATER, VENTED TO VAPOR RECOVERY SYSTEM, 600 BBL; WIDTH: 15 FT; HEIGHT: 12 FT; LENGTH: 23 FT A/N: 497442	D37	D54 D56 D184			E127.1, H23.4, H23.6
TANK, U-06, EMERGENCY SUMP, TANK OVERFLOWS, 243 BBL; DIAMETER: 3 FT; HEIGHT: 193 FT A/N: 497442	D38	D175			E127.2, H23.1
TANK, HOLDING, U-04, DRAIN WATER, 80 BBL; DIAMETER: 6 FT; HEIGHT: 16 FT A/N: 497442	D39	D175			E127.2, H23.1
TANK, HOLDING, U-05, CRUDE OIL, 36 BBL; DIAMETER: 4 FT; HEIGHT: 16 FT A/N: 497442	D40	D175			E127.2, H23.1
TANK, HOLDING, S-05A, FILTER BACKWASH WATER, VENTED TO VAPOR RECOVERY SYSTEM, 190 BBL; WIDTH: 12 FT; HEIGHT: 11 FT 6 IN; LENGTH: 15 FT A/N: 497442	D41	D54 D56 D184			E127.2, 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
PACIFIC ENERGY RESOURCES, LTD.**

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: CRUDE OIL PRODUCTION					
TANK, HOLDING, S-05B, FILTER BACKWASH WATER, VENTED TO VAPOR RECOVERY SYSTEM, 190 BBL; WIDTH: 12 FT; HEIGHT: 11 FT 6 IN; LENGTH: 15 FT A/N: 497442	D42	D54 D56 D184			E127.2, H23.1
TANK, HOLDING, S-07, CENTRATE, 85 BBL; WIDTH: 8 FT; HEIGHT: 7 FT 6 IN; LENGTH: 8 FT A/N: 497442	D43				E127.2, E448.1, H23.1
TANK, HOLDING, S-06, SOLIDS LADEN WATER, VENTED TO VAPOR RECOVERY SYSTEM, 690 BBL; WIDTH: 12 FT; HEIGHT: 13 FT 6 IN; LENGTH: 24 FT A/N: 497442	D44	D54 D56 D184			E127.1, H23.4, H23.6
VESSEL, U-14A, SPHERE LAUNCHER, INJECTION WATER, DIAMETER: 1 FT 2 IN A/N: 497442	D160				
System 7: VAPOR RECOVERY SYSTEM - PLATFORM EUREKA					
SCRUBBER, MBF-1310A, COMPRESSOR SUCTION, EMERGENCY PRESSURE RELIEF VALVE VENTED TO SCRUBBER, HEIGHT: 7 FT 6 IN; DIAMETER: 3 FT A/N: 484334	D46	D2 D3 D4 D5 D6 D7 D105			S13.1
COMPRESSOR, CAY-1310 B, FUEL GAS, EMERGENCY PRESSURE RELIEF VALVE VENTED TO SCRUBBER A/N: 484334	D68	D105			

* (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
PACIFIC ENERGY RESOURCES, LTD.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: CRUDE OIL PRODUCTION					
VESSEL, SEPARATOR, MBF-1310B, EMERGENCY PRESSURE RELIEF VALVE VENTED TO SCRUBBER, HEIGHT: 8 FT ; DIAMETER: 2 FT 8 IN A/N: 484334	D47	D105			
VESSEL, SEPARATOR, MBF-1310C, EMERGENCY PRESSURE RELIEF VALVE VENTED TO SCRUBBER, HEIGHT: 7 FT 6 IN; DIAMETER: 2 FT 6 IN A/N: 484334	D48	D2 D3 D4 D5 D6 D7 D105			
VESSEL, KAH-1601, GAS LAUNCHER, LENGTH: 6 FT 4 IN; DIAMETER: 10 IN A/N: 484334	D49				
System 8: VAPOR RECOVERY SYSTEM - PLATFORM ELLY					S13.1
DRUM, LOW PRESSURE RELIEF, V-09, VENTED TO VAPOR RECOVERY SYSTEM, EMERGENCY PRESSURE RELIEF VALVES VENTED TO ATMOSPHERE, 20 BBL; DIAMETER: 4 FT ; LENGTH: 9 FT A/N: 484334	D45	D54 D56 D184			
VESSEL, RECEIVER, U-09, EMERGENCY PRESSURE RELIEF VALVES VENTED TO DRUM, DIAMETER: 10 IN A/N: 484334	D52	D108			

* (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
PACIFIC ENERGY RESOURCES, LTD.**

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: CRUDE OIL PRODUCTION					
VESSEL, V-18, SLUG CATCHER, EMERGENCY PRESSURE RELIEF VALVE VENTED TO DRUM, HEIGHT: 8 FT ; DIAMETER: 2 FT 6 IN A/N: 484334	D53	D108			
SCRUBBER, V-04, COMPRESSOR SUCTION GAS, EMERGENCY PRESSURE RELIEF VALVE VENTED TO DRUM, HEIGHT: 8 FT ; DIAMETER: 3 FT 6 IN A/N: 484334	D54	D1 D11 D12 D15 D16 D17 D18 D19 D20 D31 D32 D33 D36 D37 D41 D42 D44 D45 D108			
COMPRESSOR, K-01, RECIPROCATING A/N: 484334	D55				
SCRUBBER, V-1004A, 35# GAS, EMERGENCY PRESSURE RELIEF VALVE VENTED TO DRUM, HEIGHT: 12 FT ; DIAMETER: 5 FT A/N: 484334	D56	D1 D11 D12 D13 D14 D15 D16 D17 D18 D19 D20 D31 D32 D33 D36 D37 D41 D42 D44 D45 D108			E17.1
SCRUBBER, V-1004B, 35# GAS, EMERGENCY PRESSURE RELIEF VALVE VENTED TO DRUM, HEIGHT: 8 FT ; DIAMETER: 4 FT A/N: 484334	D184	D1 D11 D12 D13 D14 D15 D16 D17 D18 D19 D20 D31 D32 D33 D36 D37 D41 D42 D44 D45 D108			E17.1

* (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
PACIFIC ENERGY RESOURCES, LTD.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: CRUDE OIL PRODUCTION					
SCRUBBER, V-05A, COMPRESSOR SUCTION GAS, EMERGENCY PRESSURE RELIEF VALVE VENTED TO DRUM, HEIGHT: 8 FT ; DIAMETER: 2 FT 6 IN A/N: 484334	D57	D108			
SCRUBBER, V-05B, COMPRESSOR SUCTION GAS, EMERGENCY PRESSURE RELIEF VALVE VENTED TO DRUM, HEIGHT: 8 FT ; DIAMETER: 2 FT 6 IN A/N: 484334	D58	D108			
COMPRESSOR, K-02A, FUEL GAS A/N: 484334	D59				
COMPRESSOR, K-02B, FUEL GAS A/N: 484334	D60				
SCRUBBER, V-06A, COMPRESSOR INTERSTAGE GAS, EMERGENCY PRESSURE RELIEF VALVE VENTED TO DRUM, HEIGHT: 8 FT ; DIAMETER: 2 FT 6 IN A/N: 484334	D61	D108			
SCRUBBER, V-06B, COMPRESSOR INTERSTAGE GAS, EMERGENCY PRESSURE RELIEF VALVE VENTED TO DRUM, HEIGHT: 8 FT ; DIAMETER: 2 FT 6 IN A/N: 484334	D62	D108			
VESSEL, V-11, SCOUR GAS, EMERGENCY PRESSURE RELIEF VALVE VENTED TO DRUM, LENGTH: 40 FT ; DIAMETER: 2 FT 6 IN A/N: 484334	D63	D108			

* (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
PACIFIC ENERGY RESOURCES, LTD.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: CRUDE OIL PRODUCTION					
VESSEL, V-07, KNOCKOUT SCRUBBER, EMERGENCY PRESSURE RELIEF VALVE VENTED TO DRUM, HEIGHT: 6 FT ; DIAMETER: 2 FT A/N: 484334	D51	D108			
VESSEL, V-08, INTERSTAGE SCRUBBER, EMERGENCY PRESSURE RELIEF VALVE VENTED TO DRUM, HEIGHT: 5 FT ; DIAMETER: 2 FT A/N: 484334	D50	D108			
Process 2: FUEL GAS TREATMENT - PLATFORMELLY					P13.1
SCRUBBER, V-15A, FUEL GAS, EMERGENCY PRESSURE RELIEF VALVE VENTED TO DRUM, HEIGHT: 9 FT 8 IN; DIAMETER: 3 FT A/N: 467994	D64	C66 C67 D108			
SCRUBBER, V-15B, FUEL GAS, EMERGENCY PRESSURE RELIEF VALVE VENTED TO DRUM, HEIGHT: 9 FT 8 IN; DIAMETER: 3 FT A/N: 467994	D65	C66 C67 D108			
VESSEL, V-100A, SULFA TREAT, LEAD/LAG, EMERGENCY PRESSURE RELIEF VALVE VENTED TO DRUM, HEIGHT: 11 FT 2 IN; DIAMETER: 5 FT A/N: 467994	C66	D64 D65 D108			
VESSEL, V-100B, SULFA TREAT, LAG/LEAD, EMERGENCY PRESSURE RELIEF VALVE VENTED TO DRUM, HEIGHT: 11 FT 2 IN; DIAMETER: 5 FT A/N: 467994	C67	D64 D65 D108			

* (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
PACIFIC ENERGY RESOURCES, LTD.**

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 2: FUEL GAS TREATMENT - PLATFORM ELLY					P13.1
VESSEL, RECEIVER, MBL-1003, FUEL GAS, EMERGENCY PRESSURE RELIEF VALVE VENTED TO DRUM, LENGTH: 22 FT ; DIAMETER: 8 FT A/N: 467994	D69	D108			
Process 3: INTERNAL COMBUSTION					
System 1: ICE: EMERGENCY POWER - PLATFORM ELLEN					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, Z-11, DIESEL FUEL, CATERPILLAR, MODEL D379PCTA, WITH AFTERCOOLER, TURBOCHARGER, 600 BHP WITH A/N: 466175 GENERATOR, RIG, EMERGENCY POWER, 420 KW	D76		NOX: PROCESS UNIT**	NOX: 469 LBS/1000 GAL DIESEL (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]	A63.2, C1.1, D12.1
System 2: ICE: EMERGENCY POWER - PLATFORM EUREKA					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, EN-040-E2, DIESEL FUEL, CATERPILLAR, MODEL D379PCTA, WITH AFTERCOOLER, TURBOCHARGER, 600 BHP WITH A/N: 466173 GENERATOR, RIG, EMERGENCY POWER, 420 KW	D77		NOX: PROCESS UNIT**	NOX: 469 LBS/1000 GAL DIESEL (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]	A63.2, C1.1, D12.1

* (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
PACIFIC ENERGY RESOURCES, LTD.**

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 3: INTERNAL COMBUSTION					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, LAN-2530, DIESEL FUEL, CATERPILLAR, MODEL 3412 DIT, WITH TURBOCHARGER, 620 BHP WITH A/N: 466174 GENERATOR, EMERGENCY POWER, 500 KW	D78		NOX: PROCESS UNIT**	NOX: 469 LBS/1000 GAL DIESEL (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]	A63.3, C1.1, D12.1
System 3: ICE: EMERGENCY POWER, - PLATFORM ELLY					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, Z-10, DIESEL FUEL, DETROIT DIESEL, MODEL 8163-7000, 727 BHP WITH A/N: 466176 GENERATOR, ELLY STAND-BY, EMERGENCY POWER, 400 KW	D79		NOX: PROCESS UNIT**	NOX: 469 LBS/1000 GAL DIESEL (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]	A63.4, C1.1, D12.1
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, ZAN-9007, DIESEL FUEL, DETROIT DIESEL, MODEL 1043-7000, 155 BHP WITH A/N: 466177 GENERATOR, MARS STAND-BY, EMERGENCY POWER, 30 KW	D80		NOX: PROCESS UNIT**	NOX: 469 LBS/1000 GAL DIESEL (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]	A63.5, C1.1, D12.1
System 4: ICE: RIG GENERATOR - PLATFORM ELLEN					

* (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
PACIFIC ENERGY RESOURCES, LTD.**

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 3: INTERNAL COMBUSTION					
INTERNAL COMBUSTION ENGINE, NON-EMERGENCY, EJ-01A, DIESEL FUEL, CATERPILLAR, MODEL D398PCTA, WITH AFTERCOOLER, TURBOCHARGER, 853 BHP WITH A/N: GENERATOR, RIG, 600 KW	D81		NOX: LARGE SOURCE**	CO: 2000 PPMV (5) [RULE 1110.2, 6-3-2005]; NOX: 450 PPMV DIESEL (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; VOC: 250 PPMV (5) [RULE 1110.2, 6-3-2005]	A63.9, D28.1, D323.3, K40.1
INTERNAL COMBUSTION ENGINE, NON-EMERGENCY, EJ-01B, DIESEL FUEL, CATERPILLAR, MODEL D398PCTA, WITH AFTERCOOLER, TURBOCHARGER, 853 BHP WITH A/N: 466207 GENERATOR, RIG, 600 KW	D82		NOX: LARGE SOURCE**	CO: 2000 PPMV (5) [RULE 1110.2, 6-3-2005]; NOX: 450 PPMV DIESEL (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; VOC: 250 PPMV (5) [RULE 1110.2, 6-3-2005]	A63.9, D28.1, D323.3, K40.1
INTERNAL COMBUSTION ENGINE, NON-EMERGENCY, EJ-01C, DIESEL FUEL, CATERPILLAR, MODEL D398PCTA, WITH AFTERCOOLER, TURBOCHARGER, 853 BHP WITH A/N: 466209 GENERATOR, RIG, 600 KW	D83		NOX: LARGE SOURCE**	CO: 2000 PPMV (5) [RULE 1110.2, 6-3-2005]; NOX: 450 PPMV DIESEL (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; VOC: 250 PPMV (5) [RULE 1110.2, 6-3-2005]	A63.9, D28.1, D323.3, K40.1
System 5: ICE: RIG GENERATOR - PLATFORM EUREKA					

* (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
PACIFIC ENERGY RESOURCES, LTD.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 3: INTERNAL COMBUSTION					
INTERNAL COMBUSTION ENGINE, NON-EMERGENCY, EN-010-E2, DIESEL FUEL, CATERPILLAR, MODEL D398PCTA, WITH AFTERCOOLER, TURBOCHARGER, 853 BHP WITH A/N: 466210 GENERATOR, RIG, 600 KW	D84		NOX: LARGE SOURCE**	CO: 2000 PPMV (5) [RULE 1110.2, 6-3-2005]; NOX: 450 PPMV DIESEL (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; VOC: 250 PPMV (5) [RULE 1110.2, 6-3-2005]	A63.9, D28.1, D323.3, K40.1
INTERNAL COMBUSTION ENGINE, NON-EMERGENCY, EN-020-E2, DIESEL FUEL, CATERPILLAR, MODEL D398PCTA, WITH AFTERCOOLER, TURBOCHARGER, 853 BHP WITH A/N: 466211 GENERATOR, RIG, 600 KW	D85		NOX: LARGE SOURCE**	CO: 2000 PPMV (5) [RULE 1110.2, 6-3-2005]; NOX: 450 PPMV DIESEL (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; VOC: 250 PPMV (5) [RULE 1110.2, 6-3-2005]	A63.9, D28.1, D323.3, K40.1
INTERNAL COMBUSTION ENGINE, NON-EMERGENCY, EN-030-E2, DIESEL FUEL, CATERPILLAR, MODEL D398PCTA, WITH AFTERCOOLER, TURBOCHARGER, 853 BHP WITH A/N: 466213 GENERATOR, RIG, 600 KW	D86		NOX: LARGE SOURCE**	CO: 2000 PPMV (5) [RULE 1110.2, 6-3-2005]; NOX: 450 PPMV DIESEL (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; VOC: 250 PPMV (5) [RULE 1110.2, 6-3-2005]	A63.9, D28.1, D323.3, K40.1
System 6: ICE: PEDESTAL CRANE-PLATFORM ELLEN					

* (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
PACIFIC ENERGY RESOURCES, LTD.**

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 3: INTERNAL COMBUSTION					
INTERNAL COMBUSTION ENGINE, NON-EMERGENCY, L-11B, DIESEL FUEL, DETROIT DIESEL, MODEL 1064-7001, ELLEN EAST CRANE, 195 BHP A/N: 466198	D87		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 1110.2, 6-3-2005]; NOX: 469 LBS/1000 GAL DIESEL (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; VOC: 250 PPMV (5) [RULE 1110.2, 6-3-2005]	A63.6, D28.1, D323.3, K40.1
INTERNAL COMBUSTION ENGINE, NON-EMERGENCY, L-11A, DIESEL FUEL, DETROIT DIESEL, MODEL 1063-7008, ELLEN CENTER CRANE, 195 BHP A/N: 466194	D91		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 1110.2, 6-3-2005]; NOX: 469 LBS/1000 GAL DIESEL (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; VOC: 250 PPMV (5) [RULE 1110.2, 6-3-2005]	A63.6, D28.1, D323.3, K40.1
System 7: ICE: PEDESTAL CRANE - PLATFORM EUREKA					
INTERNAL COMBUSTION ENGINE, NON-EMERGENCY, CR-030-A2, DIESEL FUEL, DETROIT DIESEL, MODEL 1067-8503, EUREKA WEST CRANE, 195 BHP A/N: 466200	D88		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 1110.2, 6-3-2005]; NOX: 469 LBS/1000 GAL DIESEL (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; VOC: 250 PPMV (5) [RULE 1110.2, 6-3-2005]	A63.6, D28.1, D323.3, K40.1
INTERNAL COMBUSTION ENGINE, NON-EMERGENCY, CR-010-A2, DIESEL FUEL, DETROIT DIESEL, MODEL 1064-7001, EUREKA EAST CRANE, 195 BHP A/N: 466180	D89		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 1110.2, 6-3-2005]; NOX: 469 LBS/1000 GAL DIESEL (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; VOC: 250 PPMV (5) [RULE 1110.2, 6-3-2005]	A63.6, D28.1, D323.3, K40.1

- * (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
PACIFIC ENERGY RESOURCES, LTD.**

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 3: INTERNAL COMBUSTION					
INTERNAL COMBUSTION ENGINE, NON-EMERGENCY, CR-020-A2, DIESEL FUEL, DETROIT DIESEL, MODEL 1064-7001, EUREKA CENTER CRANE, 195 BHP A/N: 466183	D90		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 1110.2, 6-3-2005]; NOX: 469 LBS/1000 GAL DIESEL (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; VOC: 250 PPMV (5) [RULE 1110.2, 6-3-2005]	A63.6, D28.1, D323.3, K40.1
System 8: ICE: PEDESTAL CRANE - PLATFORM ELLY					
INTERNAL COMBUSTION ENGINE, NON-EMERGENCY, L-01A, DIESEL FUEL, DETROIT DIESEL, MODEL 1064-7001, ELLY EAST CRANE, 195 BHP A/N: 466178	D92		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 1110.2, 6-3-2005]; NOX: 469 LBS/1000 GAL DIESEL (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; VOC: 250 PPMV (5) [RULE 1110.2, 6-3-2005]	A63.6, D28.1, D323.3, K40.1
INTERNAL COMBUSTION ENGINE, NON-EMERGENCY, L-01B, DIESEL FUEL, DETROIT DIESEL, MODEL 1064-7001, ELLY WEST CRANE, 195 BHP A/N:	D93		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 1110.2, 6-3-2005]; NOX: 469 LBS/1000 GAL DIESEL (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; VOC: 250 PPMV (5) [RULE 1110.2, 6-3-2005]	A63.6, D28.1, D323.3, K40.1
System 10: TURBINES: PUMP MECHANICAL POWER - PLATFORM ELLY					

* (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
PACIFIC ENERGY RESOURCES, LTD.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 3: INTERNAL COMBUSTION					
GAS TURBINE, NP-07-A, DIESEL FUEL, PROCESS GAS, SOLAR, MODEL SATURN MG1-SB, 2.9 MMBTU/HR WITH A/N: 466204 PUMP, WATER INJECTION	D95		NOX: LARGE SOURCE**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 65 PPMV PROCESS GAS (3) [RULE 2012, 5-6-2005]; NOX: 95 PPMV DIESEL (3) [RULE 2012, 5-6-2005]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 500 PPMV DIESEL (5) [RULE 407, 4-2-1982]	A63.8, B61.1, B61.2, D323.2
GAS TURBINE, NP-10-A, DIESEL FUEL, PROCESS GAS, SOLAR, MODEL SATURN MG1-SB, 2.9 MMBTU/HR WITH A/N: 466203 PUMP, WATER INJECTION	D96		NOX: LARGE SOURCE**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 65 PPMV PROCESS GAS (3) [RULE 2012, 5-6-2005]; NOX: 95 PPMV DIESEL (3) [RULE 2012, 5-6-2005]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 500 PPMV DIESEL (5) [RULE 407, 4-2-1982]	A63.8, B61.1, B61.2, D323.2
GAS TURBINE, NP-10-B, DIESEL FUEL, PROCESS GAS, SOLAR, MODEL SATURN MG1-SB, 2.9 MMBTU/HR WITH A/N: 466205 PUMP, WATER INJECTION	D97		NOX: LARGE SOURCE**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 65 PPMV PROCESS GAS (3) [RULE 2012, 5-6-2005]; NOX: 95 PPMV DIESEL (3) [RULE 2012, 5-6-2005]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 500 PPMV DIESEL (5) [RULE 407, 4-2-1982]	A63.8, B61.1, B61.2, D323.2
System 11: ELECTRICITY GENERATION - PLATFORM ELLY					

* (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
PACIFIC ENERGY RESOURCES, LTD.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 3: INTERNAL COMBUSTION					
GAS TURBINE, NJ-01-A, DIESEL FUEL, PROCESS GAS, SOLAR, MODEL CENTAUR GC1-CB-ID, 42 MMBTU/HR WITH A/N: 466215 GENERATOR, 2.5 MW HEAT EXCHANGER, WASTE HEAT RECOVERY, 18 MM BTU/HR	D98		NOX: LARGE SOURCE**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 140 PPMV PROCESS GAS (3) [RULE 2012, 5-6-2005]; NOX: 180 PPMV DIESEL (3) [RULE 2012, 5-6-2005]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 500 PPMV DIESEL (5) [RULE 407, 4-2-1982]	B61.1, B61.2, D371.1
GAS TURBINE, NJ-01-B, DIESEL FUEL, PROCESS GAS, SOLAR, MODEL CENTAUR GC1-CB-ID, 42 MMBTU/HR WITH A/N: 498831 GENERATOR, 2.5 MW HEAT EXCHANGER, WASTE HEAT RECOVERY, 18 MM BTU/HR	D99		NOX: LARGE SOURCE**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 110 PPMV PROCESS GAS (3) [RULE 2012, 5-6-2005]; NOX: 180 PPMV DIESEL (3) [RULE 2012, 5-6-2005]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 500 PPMV DIESEL (5) [RULE 407, 4-2-1982]	B61.1, B61.2, D371.1

- * (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
PACIFIC ENERGY RESOURCES, LTD.**

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 3: INTERNAL COMBUSTION					
GAS TURBINE, NJ-01-C, DIESEL FUEL, PROCESS GAS, SOLAR, MODEL CENTAUR GCI-CB-ID, 42 MMBTU/HR WITH A/N: 498832 GENERATOR, 2.5 MW HEAT EXCHANGER, WASTE HEAT RECOVERY, 18 MM BTU/HR	D100		NOX: LARGE SOURCE**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 140 PPMV PROCESS GAS (3) [RULE 2012, 5-6-2005]; NOX: 180 PPMV DIESEL (3) [RULE 2012, 5-6-2005]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 500 PPMV DIESEL (5) [RULE 407, 4-2-1982]	B61.1, B61.2, D371.1
GAS TURBINE, NJ-01-D, DIESEL FUEL, PROCESS GAS, SOLAR, MODEL MARS GS2-MA-ID, 87 MMBTU/HR WITH A/N: 466201 GENERATOR, 6.5 MW HEAT EXCHANGER, WASTE HEAT RECOVERY, 29 MM BTU/HR	D101	S102	NOX: MAJOR SOURCE**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; PM: 0.01 GRAINS/SCF (5A) [RULE 475, 8-7-1978]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; PM: 11 LBS/HR (5B) [RULE 475, 8-7-1978]; SOX: 500 PPMV DIESEL (5) [RULE 407, 4-2-1982]	A63.10, A327.1, B61.1, B61.2, D328.1, D371.1, E313.1, E315.1, H421.2
STACK, MARS NJ-01-D A/N: 466201	S102	D101			

* (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
PACIFIC ENERGY RESOURCES, LTD.**

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 3: INTERNAL COMBUSTION					
GAS TURBINE, NJ-01-E, DIESEL FUEL, PROCESS GAS, SOLAR, MODEL MARS GS2-MA-ID, 87 MMBTU/HR WITH A/N: 466202 GENERATOR, 6.5 MW HEAT EXCHANGER, WASTE HEAT RECOVERY, 29 MM BTU/HR	D103	S104	NOX: MAJOR SOURCE**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; PM: 0.01 GRAINS/SCF (5A) [RULE 475, 8-7-1978]; PM: 11 LBS/HR (5B) [RULE 475, 8-7-1978]; SOX: 500 PPMV DIESEL (5) [RULE 407, 4-2-1982]	A63.10, A327.1, B61.1, B61.2, D328.1, D371.1, E313.1, E315.1, H421.2
STACK, MARS NJ-01-E A/N: 466202	S104	D103			
Process 4: EXTERNAL COMBUSTION					P13.1
System 1: FLARE - PLATFORM EUREKA					
SCRUBBER, MBF-1106, RELIEF SCRUBBER, HEIGHT: 10 FT ; DIAMETER: 5 FT A/N: 467993	D105	D2 D3 D4 D5 D6 D7 D46 D47 D48 D68 C107			
SCRUBBER, MBF-3001, FLARE PILOT GAS SCRUBBER, HEIGHT: 5 FT ; DIAMETER: 1 FT A/N: 467993	D106	C107			
SCRUBBER, MBF-1200, LOW PRESSURE VENT SCRUBBER, HEIGHT: 4 FT 11 IN; DIAMETER: 10 IN A/N: 467993	D158	D8 D27 D28 D29 C107			

* (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
PACIFIC ENERGY RESOURCES, LTD.**

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 4: EXTERNAL COMBUSTION					P13.1
FLARE, 700-1620, EUREKA HIGH PRESSURE FLARE, PROCESS GAS, 33 MMSCFD, WITH A WASTE GAS PILOT BURNER A/N: 467993	C107	D105 D106 D158		CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	D12.2, E71.1
System 2: FLARE - PLATFORM ELLY					
DRUM, V-10, HIGH PRESSURE FLARE DRUM, LENGTH: 10 FT ; DIAMETER: 6 FT A/N: 497445	D108	D1 D11 D12 D13 D14 D15 D16 D31 D50 D51 D52 D53 D54 D56 D57 D58 D61 D62 D63 D64 D65 C66 C67 D69 C109 D184			
SCRUBBER, V-22, LOW PRESSURE VENT, HEIGHT: 5 FT ; DIAMETER: 10 IN A/N: 497445	D175	D22 D23 D24 D25 D26 D38 D39 D40 C109			
FLARE, U-19, PROCESS GAS, ELLY HIGH PRESSURE FLARE, 19 MMSCFD, WITH A WASTE GAS PILOT BURNER A/N: 497445	C109	D108 D175		CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	D12.2, E71.1
Process 5: PETROLEUM STORAGE					P13.1
System 1: DIESEL STORAGE TANK - PLATFORM EUREKA					
STORAGE TANK, FIXED ROOF, A-1, DIESEL FUEL, STORAGE LEG (DIA. RANGE 2FT. 10 IN TO 5FT 10 IN), 1000 BBL; HEIGHT: 48 FT A/N: 466169	D118				E127.1, H23.4, H23.6
System 2: DIESEL STORAGE TANK - PLATFORM ELLY					

* (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
PACIFIC ENERGY RESOURCES, LTD.**

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 5: PETROLEUM STORAGE					P13.1
STORAGE TANK, FIXED ROOF, S-10, DIESEL FUEL, 1200 BBL; WIDTH: 24 FT; HEIGHT: 12 FT; LENGTH: 24 FT A/N: 466168	D121				E127.1, H23.4, H23.6
Process 6: FUGITIVE EMISSIONS					
FUGITIVE EMISSIONS, COMPRESSORS A/N: 484334	D125				H23.2
FUGITIVE EMISSIONS, PUMPS A/N: 497444	D126				H23.2
FUGITIVE EMISSIONS, VALVES A/N: 497444	D127				H23.2
FUGITIVE EMISSIONS, PRV A/N: 497444	D128				H23.2
FUGITIVE EMISSIONS, FLANGES A/N: 497444	D129				H23.2
FUGITIVE EMISSIONS, DRAINS A/N: 497444	D130				H23.1
Process 7: RULE 219 EXEMPT EQUIPMENT SUBJECT TO SOURCE SPECIFIC RULES					
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS	E176			VOC: (9) [RULE 1113, 6-9-2006; RULE 1171, 7-14-2006]	K67.1
RULE 219 EXEMPT EQUIPMENT, ABRASIVE BLASTING EQUIPMENT, WET, AND ANY CONTROL EQUIPMENT	E177			PM: (9) [RULE 1140, 8-2-1985; RULE 405, 2-7-1986]	D323.1
RULE 219 EXEMPT EQUIPMENT, AIR CONDITIONING UNITS	E178				H23.5
RULE 219 EXEMPT EQUIPMENT, WELL HEADS AND PUMPS, OIL AND GAS	E179				H23.2

* (1) (1A) (1B) Denotes RECLAIM emission factor
(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits
(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
PACIFIC ENERGY RESOURCES, LTD.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 7: RULE 219 EXEMPT EQUIPMENT SUBJECT TO SOURCE SPECIFIC RULES					
RULE 219 EXEMPT EQUIPMENT, EXEMPT HAND WIPING OPERATIONS	E180			VOC: (9) [RULE 1171, 7-14-2006]	
RULE 219 EXEMPT EQUIPMENT, PARTS DEGREASER, CLEANING EQUIPMENT, SMALL, UNHEATED, NON-CONVEYORIZED	E181			VOC: (9) [RULE 1171, 7-14-2006]	H23.3
RULE 219 EXEMPT EQUIPMENT, PORTABLE MARINE COATING EQUIPMENT, COATING EQUIPMENT, LOW USE OR EMISSIONS	E182			VOC: (9) [RULE 1106, 1-13-1995; RULE 1171, 7-14-2006]	
RULE 219 EXEMPT EQUIPMENT, FIRE EXTINGUISHING EQUIPMENT USING HALONS	E183				

* (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
PACIFIC ENERGY RESOURCES, LTD.**

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
PACIFIC ENERGY RESOURCES, LTD.**

SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D1	1	1	1
D2	1	1	2
D3	1	1	2
D4	1	1	2
D5	2	1	2
D6	2	1	2
D7	2	1	2
D8	2	1	2
D9	3	1	3
D10	3	1	3
D11	3	1	3
D12	3	1	3
D13	3	1	3
D14	4	1	3
D15	4	1	3
D16	4	1	3
D17	4	1	3
D18	5	1	3
D19	5	1	3
D20	5	1	3
D21	5	1	3
D22	5	1	4
D23	5	1	4
D24	6	1	4
D25	6	1	4
D26	6	1	4
D27	6	1	5
D28	6	1	5
D29	6	1	5
D30	6	1	5
D31	7	1	6
D32	7	1	6
D33	7	1	6
D34	7	1	6
D35	7	1	6



**FACILITY PERMIT TO OPERATE
PACIFIC ENERGY RESOURCES, LTD.**

SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D36	8	1	6
D37	8	1	6
D38	8	1	6
D39	8	1	6
D40	8	1	6
D41	8	1	6
D42	9	1	6
D43	9	1	6
D44	9	1	6
D45	10	1	8
D46	9	1	7
D47	10	1	7
D48	10	1	7
D49	10	1	7
D50	13	1	8
D51	13	1	8
D52	10	1	8
D53	11	1	8
D54	11	1	8
D55	11	1	8
D56	11	1	8
D57	12	1	8
D58	12	1	8
D59	12	1	8
D60	12	1	8
D61	12	1	8
D62	12	1	8
D63	12	1	8
D64	13	2	0
D65	13	2	0
C66	13	2	0
C67	13	2	0
D68	9	1	7
D69	14	2	0
D76	14	3	1



**FACILITY PERMIT TO OPERATE
PACIFIC ENERGY RESOURCES, LTD.**

SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D77	14	3	2
D78	15	3	2
D79	15	3	3
D80	15	3	3
D81	16	3	4
D82	16	3	4
D83	16	3	4
D84	17	3	5
D85	17	3	5
D86	17	3	5
D87	18	3	6
D88	18	3	7
D89	18	3	7
D90	19	3	7
D91	18	3	6
D92	19	3	8
D93	19	3	8
D95	20	3	10
D96	20	3	10
D97	20	3	10
D98	21	3	11
D99	21	3	11
D100	22	3	11
D101	22	3	11
S102	22	3	11
D103	23	3	11
S104	23	3	11
D105	23	4	1
D106	23	4	1
C107	24	4	1
D108	24	4	2
C109	24	4	2
D118	24	5	1
D121	25	5	2
D125	25	6	0



**FACILITY PERMIT TO OPERATE
PACIFIC ENERGY RESOURCES, LTD.**

SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D126	25	6	0
D127	25	6	0
D128	25	6	0
D129	25	6	0
D130	25	6	0
D158	23	4	1
D159	2	1	2
D160	9	1	6
D172	7	1	6
D173	7	1	6
D175	24	4	2
E176	25	7	0
E177	25	7	0
E178	25	7	0
E179	25	7	0
E180	26	7	0
E181	26	7	0
E182	26	7	0
E183	26	7	0
D184	11	1	8



**FACILITY PERMIT TO OPERATE
PACIFIC ENERGY RESOURCES, LTD.**

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

FACILITY CONDITIONS

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

CONTAMINANT	EMISSIONS LIMIT
CO	Less than or equal to 14337 LBS IN ANY ONE DAY
PM	Less than or equal to 1292 LBS IN ANY ONE DAY
ROG	Less than or equal to 3251 LBS IN ANY ONE DAY
SOX	Less than or equal to 532 LBS IN ANY ONE DAY
NOX	Less than or equal to 2017 LBS IN ANY ONE DAY

For the purpose of this condition, the CO emission limit shall be the maximum daily potential to emit which also includes emissions from the platform support vessels.

For the purpose of this condition, the PM emission limit shall be the maximum daily potential to emit which also includes emissions from platform support vessels.

For the purpose of this condition, the ROG emission limit shall be the maximum daily potential to emit which also includes emissions from the platform support vessels and the fugitive sources.

For the purpose of this condition, the SOx emission limit shall be the maximum daily potential to emit which also includes emissions from the platform support vessels.

For the purpose of this condition, the NOx emission limit shall be the maximum daily potential to emit from the flares, work and crew boats only.

[RULE 1183, 3-12-1993]



**FACILITY PERMIT TO OPERATE
PACIFIC ENERGY RESOURCES, LTD.**

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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, 11-9-2001]

F14.1 The operator shall not use fuel oil containing sulfur compounds in excess of 0.05 percent by weight.

[RULE 431.2, 9-15-2000]

F14.2 The operator shall not purchase diesel fuel containing sulfur compounds in excess of 15 ppm by weight as supplied by the supplier.

The MSDS shall be made available to AQMD upon request.

[RULE 431.2, 9-15-2000]

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



FACILITY PERMIT TO OPERATE
PACIFIC ENERGY RESOURCES, LTD.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

- platform support vessels operating hours
- support vessels fuel type and usage
- date and time of operation of support vessels
- activity associated with vessels operation

[RULE 1183, 3-12-1993]

PROCESS CONDITIONS

P13.1 All devices under this process are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1173

[RULE 1173, 6-1-2007]

[Processes subject to this condition : 2, 4, 5]

SYSTEM CONDITIONS

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

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1173



**FACILITY PERMIT TO OPERATE
PACIFIC ENERGY RESOURCES, LTD.**

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[RULE 1173, 6-1-2007]

[Systems subject to this condition : Process 1, System 1 , 2 , 3 , 7 , 8]

DEVICE CONDITIONS

A. Emission Limits

A63.2 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
CO	Less than or equal to 84.95 LBS PER DAY
PM	Less than or equal to 27.9 LBS PER DAY
ROG	Less than or equal to 31.2 LBS PER DAY
SOX	Less than or equal to 5.91 LBS PER DAY

[RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D76, D77]

A63.3 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
CO	Less than or equal to 83.23 LBS PER DAY
PM	Less than or equal to 27.34 LBS PER DAY
ROG	Less than or equal to 30.6 LBS PER DAY
SOX	Less than or equal to 5.79 LBS PER DAY



**FACILITY PERMIT TO OPERATE
PACIFIC ENERGY RESOURCES, LTD.**

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D78]

A63.4 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
CO	Less than or equal to 102.1 LBS PER DAY
PM	Less than or equal to 33.53 LBS PER DAY
ROG	Less than or equal to 37.53 LBS PER DAY
SOX	Less than or equal to 7.11 LBS PER DAY

[RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D79]

A63.5 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
CO	Less than or equal to 20.81 LBS PER DAY
PM	Less than or equal to 6.83 LBS PER DAY
ROG	Less than or equal to 7.65 LBS PER DAY
SOX	Less than or equal to 1.45 LBS PER DAY

[RULE 1303(b)(2)-Offset, 12-6-2002]



**FACILITY PERMIT TO OPERATE
PACIFIC ENERGY RESOURCES, LTD.**

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 : D80]

A63.6 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
CO	Less than or equal to 171.4 LBS PER DAY
PM	Less than or equal to 8.4 LBS PER DAY
ROG	Less than or equal to 33.7 LBS PER DAY
SOX	Less than or equal to 1.8 LBS PER DAY

[RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D87, D88, D89, D90, D91, D92, D93]

A63.8 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
CO	Less than or equal to 409 LBS PER DAY
PM	Less than or equal to 22.3 LBS PER DAY
ROG	Less than or equal to 16.3 LBS PER DAY
SOX	Less than or equal to 17.9 LBS PER DAY

[RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D95, D96, D97]

A63.9 The operator shall limit emissions from this equipment as follows:



**FACILITY PERMIT TO OPERATE
PACIFIC ENERGY RESOURCES, LTD.**

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

CONTAMINANT	EMISSIONS LIMIT
CO	Less than or equal to 794.6 LBS PER DAY
PM	Less than or equal to 38.8 LBS PER DAY
ROG	Less than or equal to 156.4 LBS PER DAY
SOX	Less than or equal to 8.2 LBS PER DAY

[RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D81, D82, D83, D84, D85, D86]

A63.10 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
CO	Less than or equal to 230.4 LBS PER DAY
PM	Less than or equal to 127.7 LBS PER DAY
ROG	Less than or equal to 96.6 LBS PER DAY
SOX	Less than or equal to 102.5 LBS PER DAY

[RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D101, D103]

A327.1 For the purpose of determining compliance with District Rule 475, combustion contaminant emissions may exceed the concentration limit or the mass emission limit listed, but not both limits at the same time.

[RULE 475, 8-7-1978]



**FACILITY PERMIT TO OPERATE
PACIFIC ENERGY RESOURCES, LTD.**

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 : D101, D103]

B. Material/Fuel Type Limits

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

Compound	ppm by volume
H2S content greater than	3

[RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D95, D96, D97, D98, D99, D100, D101, D103]

B61.2 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 ppm limit shall be averaged over a 4-hour period.

[RULE 431.1, 6-12-1998]

[Devices subject to this condition : D95, D96, D97, D98, D99, D100, D101, D103]

C. Throughput or Operating Parameter Limits



FACILITY PERMIT TO OPERATE
PACIFIC ENERGY RESOURCES, LTD.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

C1.1 The operator shall limit the operating time to no more than 200 hour(s) in any one year.

The purpose(s) of this condition is to ensure that this equipment qualifies as an emergency standby generator.

The purpose(s) of this condition is to ensure that D76, D77, D78, and D79 qualify as a NO_x process unit.

[RULE 1110.2, 6-3-2005; **RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996;**
RULE 2012, 5-6-2005]

[Devices subject to this condition : D76, D77, D78, D79, D80]

D. Monitoring/Testing Requirements

D12.1 The operator shall install and maintain a(n) non-resettable elapsed time meter to accurately indicate the elapsed operating time of the engine.

[RULE 1110.2, 6-3-2005; **RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996;**
RULE 2012, 5-6-2005]

[Devices subject to this condition : D76, D77, D78, D79, D80]

D12.2 The operator shall install and maintain a(n) infrared flame detector to accurately indicate the presence of a flame at the flare pilot.

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

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

[Devices subject to this condition : C107, C109]



FACILITY PERMIT TO OPERATE
PACIFIC ENERGY RESOURCES, LTD.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

The test shall be conducted to determine the VOC emissions at the outlet.

The test shall be conducted when the equipment is running at maximum operating load.

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

The test shall be conducted to determine the CO emissions at the outlet.

The test shall be conducted to demonstrate compliance with Rule 1110.2.

[RULE 1110.2, 6-3-2005; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D81, D82, D83, D84, D85, D86, D87, D88, D89, D90, D91, D92, D93]



FACILITY PERMIT TO OPERATE
PACIFIC ENERGY RESOURCES, LTD.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

D323.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a semi-annual basis, at least, unless the equipment did not operate during the entire semi-annual period. The routine semi-annual inspection shall be conducted while the equipment is in operation and during daylight hours.

If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall verify and certify within 24 hours that the equipment causing the emission and any associated air pollution control equipment are operating normally according to their design and standard procedures and under the same conditions under which compliance was achieved in the past, and either:

- 1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or
- 2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions;
- 3). Date and time visible emission was abated; and
- 4). All visible emission observation records by operator or a certified smoke reader.



FACILITY PERMIT TO OPERATE
PACIFIC ENERGY RESOURCES, LTD.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

[Devices subject to this condition : E177]



FACILITY PERMIT TO OPERATE
PACIFIC ENERGY RESOURCES, LTD.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

D323.2 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a semi-annual basis, at least, unless the equipment did not operate during the entire semi-annual period, or the equipment did not burn fuel oil during the entire period. The routine semi-annual inspection shall be conducted while the equipment is in operation and during daylight hours.

If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall verify and certify within 24 hours that the equipment causing the emission and any associated air pollution control equipment are operating normally according to their design and standard procedures and under the same conditions under which compliance was achieved in the past, and either:

- 1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or
- 2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions;
- 3). Date and time visible emission was abated; and
- 4). All visible emission observation records by operator or a certified smoke reader.



**FACILITY PERMIT TO OPERATE
PACIFIC ENERGY RESOURCES, LTD.**

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

[Devices subject to this condition : D95, D96, D97]



FACILITY PERMIT TO OPERATE PACIFIC ENERGY RESOURCES, LTD.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

D323.3 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a quarterly basis, at least, unless the equipment did not operate during the entire quarterly period. The routine quarterly inspection shall be conducted while the equipment is in operation and during daylight hours.

If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall verify and certify within 24 hours that the equipment causing the emission and any associated air pollution control equipment are operating normally according to their design and standard procedures and under the same conditions under which compliance was achieved in the past, and either:

- 1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or
- 2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions;
- 3). Date and time visible emission was abated; and
- 4). All visible emission observation records by operator or a certified smoke reader.



FACILITY PERMIT TO OPERATE
PACIFIC ENERGY RESOURCES, LTD.

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

[Devices subject to this condition : D81, D82, D83, D84, D85, D86, D87, D88, D89, D90, D91, D92, D93]

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

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

[Devices subject to this condition : D101, D103]



**FACILITY PERMIT TO OPERATE
PACIFIC ENERGY RESOURCES, LTD.**

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

D371.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment on an annual basis whenever this equipment is fired on fuel oil for training/testing purposes; and after every 400 cumulative hours of operation on diesel fuel or after every two million gallons of diesel fuel combusted, to be counted cumulatively over a five year period. The inspection shall be conducted while the equipment is in operation and during daylight hours. If any visible emissions (not including condensed water vapor) are detected, the operator shall:

Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three working days (or during the next fuel oil firing period if the unit ceases firing on fuel oil within the three working day time frame) and report any deviations to AQMD.

In addition, the operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- a). Stack or emission point identification;
- b). Description of any corrective actions taken to abate visible emissions;
- c). Date and time visible emission was abated; and
- d). Visible emission observation record by a certified smoke reader.

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

[Devices subject to this condition : D98, D99, D100, D101, D103]

E. Equipment Operation/Construction Requirements

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



**FACILITY PERMIT TO OPERATE
PACIFIC ENERGY RESOURCES, LTD.**

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Device ID: D56 [Scrubber]

Device ID: D184 [Scrubber]

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

[RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D56, D184]

E71.1 The operator shall only use this equipment during process upset, emergency situation and/or safety concern of operating personnel and equipment.

[RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : C107, C109]

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

[RULE 463, 5-6-2005]

[Devices subject to this condition : D8, D17, D18, D19, D20, D32, D33, D37, D44, D118, D121]

E127.2 The operator shall keep gauge/sample hatches closed except during actual gauging/sampling operations.

[RULE 1176, 9-13-1996; RULE 1303(a)(1)-BACT, 12-6-2002]



**FACILITY PERMIT TO OPERATE
PACIFIC ENERGY RESOURCES, LTD.**

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 : D22, D23, D24, D25, D26, D27, D28, D29, D36, D38, D39, D40, D41, D42, D43, D172, D173]

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 process feed line(s) and place a blind flange on both ends of the process 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 : D101, D103]

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 : D101, D103]



**FACILITY PERMIT TO OPERATE
PACIFIC ENERGY RESOURCES, LTD.**

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

To comply with Rule 1176, the VOC content of each liquid stream entering each device shall not exceed at all times 5 mg per liter.

[RULE 1176, 9-13-1996]

[Devices subject to this condition : D34, D35, D43, D172, D173]

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

[RULE 1176, 9-13-1996]

[Devices subject to this condition : D22, D23, D24, D25, D26, D27, D28, D29, D31, D34, D35, D36, D38, D39, D40, D41, D42, D43, D130, D172, D173]

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

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1173

[RULE 1173, 6-1-2007]



**FACILITY PERMIT TO OPERATE
PACIFIC ENERGY RESOURCES, LTD.**

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 : D125, D126, D127, D128, D129, E179]

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

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1122

[RULE 1122, 10-1-2004]

[Devices subject to this condition : E181]

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

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1149

[RULE 1149, 7-14-1995]

[Devices subject to this condition : D8, D17, D18, D19, D20, D32, D33, D37, D44, D118, D121]

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

Contaminant	Rule	Rule/Subpart
Refrigerants	40CFR82, SUBPART	F

[40CFR 82 Subpart F, 5-14-1993]



**FACILITY PERMIT TO OPERATE
PACIFIC ENERGY RESOURCES, LTD.**

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 : E178]

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

Contaminant	Rule	Rule/Subpart
VOC	District Rule	463

[RULE 463, 5-6-2005]

[Devices subject to this condition : D8, D17, D18, D19, D20, D32, D33, D37, D44, D118, D121]

H421.2 The operator shall determine compliance with Rule 475 by complying with the tune-up requirements of Rule 2012, whenever the annual fuel oil usage exceeds 1 MM gallons in any one year or the hours of operations on fuel oil exceeds 336 hours in any one year. If annual fuel oil usage exceeds 2 MM gallons in any one year, the operator shall also conduct a source test to determine PM emissions using District method 5.1 measured over a 15 minute averaging time period at least once every five years and with this equipment fired on fuel oil and operating at normal load.

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

[Devices subject to this condition : D101, D103]

K. Record Keeping/Reporting

K40.1 The operator shall provide to the District a source test report in accordance with the following specifications:



**FACILITY PERMIT TO OPERATE
PACIFIC ENERGY RESOURCES, LTD.**

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Source test results shall be submitted to the District no later than 60 days after the source test was conducted.

All exhaust flow rate shall be expressed in terms of dry standard cubic feet per minute (DSCFM) and dry actual cubic feet per minute (DACFM).

Emission data shall be expressed in terms of mass rate (lbs/hr). In addition, solid PM emissions, if required to be tested, shall also be reported in terms of grains per DSCF.

Emission data shall be expressed in terms of concentration (ppmv), corrected to 15 percent oxygen, dry basis.

[RULE 1110.2, 6-3-2005; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D81, D82, D83, D84, D85, D86, D87, D88, D89, D90, D91, D92, D93]

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]



FACILITY PERMIT TO OPERATE
PACIFIC ENERGY RESOURCES, LTD.

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 : E176]



FACILITY PERMIT TO OPERATE PACIFIC ENERGY RESOURCES, LTD.

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
PACIFIC ENERGY RESOURCES, LTD.

SECTION E: ADMINISTRATIVE CONDITIONS

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



FACILITY PERMIT TO OPERATE
PACIFIC ENERGY RESOURCES, LTD.

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



FACILITY PERMIT TO OPERATE
PACIFIC ENERGY RESOURCES, LTD.

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 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
PACIFIC ENERGY RESOURCES, LTD.**

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 PACIFIC ENERGY RESOURCES, LTD.

SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS

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

I. NO_x Monitoring Conditions

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

1. Install, maintain, and operate an AQMD certified direct or time-shared monitoring device or an approved alternative monitoring device for each major NO_x source to continuously measure the concentration of NO_x emissions and all other applicable variables specified in Rule 2012, Table 2012-1 and Rule 2012, Appendix A, Table 2-A to determine the NO_x emissions rate from each source. The time-sharing of CEMS among NO_x 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
PACIFIC ENERGY RESOURCES, LTD.

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 NO_x large Source, as defined in Rule 2012, shall, as applicable:

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

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



FACILITY PERMIT TO OPERATE
PACIFIC ENERGY RESOURCES, LTD.

SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS

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]
2. The operator shall, as applicable, conduct source tests for every large NOx source no later than December 31, 1996 and every 3 years thereafter. The source test shall include the determination of NOx 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 NOx large sources and NOx 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
PACIFIC ENERGY RESOURCES, LTD.

**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 PACIFIC ENERGY RESOURCES, LTD.

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 NOx source, the total daily mass emissions of NOx 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 NOx 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 NOx emissions from all major NOx 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 NOx Large Source, as defined in Rule 2012, shall:
1. Install, maintain and operate a modem or any reporting device approved by the Executive Officer to report, to the AQMD, the total monthly NOx mass emissions from each large NOx source. The Operator shall comply with this requirement within 12 months of the date of entry to the RECLAIM Program. Such data shall be reported within 15 days after the end of each calendar month. [2012]
- C. The Operator of a NOx Process Unit, as defined in Rule 2012, shall:



FACILITY PERMIT TO OPERATE
PACIFIC ENERGY RESOURCES, LTD.

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

1. Electronically report the calculated quarterly NOx emissions for each NOx 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
PACIFIC ENERGY RESOURCES, LTD.**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 3: INTERNAL COMBUSTION					
System 4: ICE: RIG GENERATOR - PLATFORM ELLEN					
INTERNAL COMBUSTION ENGINE, NON-EMERGENCY, EJ-01A, DIESEL FUEL, CATERPILLAR, MODEL D398PCTA, WITH OXIDATION CATALYST, JOHNSON MATTHEY, MODEL BX-70-D-8, WITH AFTERCOOLER, TURBOCHARGER, 853 BHP A/N: 500153 Permit to Construct Issued: 01/26/10	D81		NOX: LARGE SOURCE**	CO: 2000 PPMV (5) [RULE 1110.2, 6-3-2005]; NOX: 450 PPMV DIESEL (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; VOC: 250 PPMV (5) [RULE 1110.2, 6-3-2005]	A63.9, D12.3, D12.6, D28.3, D29.1, D323.3, H23.7, I30.1, K40.1
System 8: ICE: PEDESTAL CRANE - PLATFORM ELLY					
INTERNAL COMBUSTION ENGINE, NON-EMERGENCY, L-01B, DIESEL FUEL, DETROIT DIESEL, MODEL 1064-7001, ELLY WEST CRANE, WITH OXIDATION CATALYST, CLEAN EMISSIONS PROD, MODEL 4-400, 195 BHP A/N: 503608 Permit to Construct Issued: 12/10/09	D93		NOX: PROCESS UNIT**	CO: 2000 PPMV DIESEL (5) [RULE 1110.2, 6-3-2005]; NOX: 469 LBS/1000 GAL DIESEL (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; VOC: 250 PPMV DIESEL (5) [RULE 1110.2, 6-3-2005]	A63.11, D12.3, D12.4, D28.3, D29.1, D323.3, H23.7, K40.1

* (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
PACIFIC ENERGY RESOURCES, LTD.**

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
PACIFIC ENERGY RESOURCES, LTD.**

SECTION H: DEVICE ID INDEX

Device Index For Section H			
Device ID	Section H Page No.	Process	System
D81	1	3	4
D93	1	3	8



**FACILITY PERMIT TO OPERATE
PACIFIC ENERGY RESOURCES, LTD.**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

FACILITY CONDITIONS

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

CONTAMINANT	EMISSIONS LIMIT
CO	Less than or equal to 14337 LBS IN ANY ONE DAY
PM	Less than or equal to 1292 LBS IN ANY ONE DAY
ROG	Less than or equal to 3251 LBS IN ANY ONE DAY
SOX	Less than or equal to 532 LBS IN ANY ONE DAY
NOX	Less than or equal to 2017 LBS IN ANY ONE DAY

For the purpose of this condition, the CO emission limit shall be the maximum daily potential to emit which also includes emissions from the platform support vessels.

For the purpose of this condition, the PM emission limit shall be the maximum daily potential to emit which also includes emissions from platform support vessels.

For the purpose of this condition, the ROG emission limit shall be the maximum daily potential to emit which also includes emissions from the platform support vessels and the fugitive sources.

For the purpose of this condition, the SOx emission limit shall be the maximum daily potential to emit which also includes emissions from the platform support vessels.

For the purpose of this condition, the NOx emission limit shall be the maximum daily potential to emit from the flares, work and crew boats only.

[RULE 1183, 3-12-1993]



FACILITY PERMIT TO OPERATE
PACIFIC ENERGY RESOURCES, LTD.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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, 11-9-2001]

F14.1 The operator shall not use fuel oil containing sulfur compounds in excess of 0.05 percent by weight.

[RULE 431.2, 9-15-2000]

F14.2 The operator shall not purchase diesel fuel containing sulfur compounds in excess of 15 ppm by weight as supplied by the supplier.

The MSDS shall be made available to AQMD upon request.

[RULE 431.2, 9-15-2000]

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

platform support vessels operating hours

support vessels fuel type and usage

date and time of operation of support vessels

activity associated with vessels operation

[RULE 1183, 3-12-1993]



**FACILITY PERMIT TO OPERATE
PACIFIC ENERGY RESOURCES, LTD.**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

PROCESS CONDITIONS

P13.1 All devices under this process are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1173

[RULE 1173, 6-1-2007]

[Processes subject to this condition : 2, 4, 5]

SYSTEM CONDITIONS

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

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1173

[RULE 1173, 6-1-2007]

[Systems subject to this condition : Process 1, System 1 , 2 , 3 , 7 , 8]

DEVICE CONDITIONS

A. Emission Limits

A63.9 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT



**FACILITY PERMIT TO OPERATE
PACIFIC ENERGY RESOURCES, LTD.**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

CO	Less than or equal to 794.6 LBS PER DAY
PM	Less than or equal to 38.8 LBS PER DAY
ROG	Less than or equal to 156.4 LBS PER DAY
SOX	Less than or equal to 8.2 LBS PER DAY

[RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D81]

A63.11 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
CO	Less than or equal to 171.4 LBS PER DAY
PM	Less than or equal to 8.4 LBS PER DAY
ROG	Less than or equal to 33.7 LBS PER DAY
SOX	Less than or equal to 1.8 LBS PER DAY

[RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D93]

D. Monitoring/Testing Requirements

D12.3 The operator shall install and maintain a(n) non-resettable elapsed time meter to accurately indicate the elapsed operating time of the engine.

[RULE 1110.2, 6-3-2005; **RULE 2012, 5-6-2005**]

[Devices subject to this condition : D81, D93]

D12.4 The operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature in the exhaust at the inlet to the oxidization catalyst.



FACILITY PERMIT TO OPERATE
PACIFIC ENERGY RESOURCES, LTD.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

The catalyst inlet temperature shall not exceed 840 degrees F.

The catalyst minimum inlet temperature shall be 480 degrees F.

The temperature range requirement of this condition does not apply during start-up operations of the engine not to exceed 30 minutes per start-up.

[RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : D93]

D12.6 The operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature in the exhaust at the inlet to the oxidization catalyst.

The catalyst inlet temperature shall not exceed 1250 degrees F.

The catalyst minimum inlet temperature shall be 465 degrees F.

The temperature range requirement of this condition does not apply during start-up operations of the engine not to exceed 30 minutes per start-up.

[RULE 1110.2, 6-3-2005]

[Devices subject to this condition : D81]

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



**FACILITY PERMIT TO OPERATE
PACIFIC ENERGY RESOURCES, LTD.**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

The test shall be conducted to determine the VOC emissions at the outlet.

The test shall be conducted to determine the CO emissions at the outlet.

The test shall be conducted to demonstrate compliance with Rule 1110.2.

The test shall be conducted to comply with Rule 1110.2 (f)(1)(C) adopted on 2/1/2008.

The test shall be conducted with Rule 1110.2 compliance testing, the pressure drop across the catalyst shall be measured and checked against the manufacturer's recommended limits. The catalyst shall be cleaned or replaced if the pressure drop exceeds the recommend limits. Records shall be maintained for a period of five years.

[RULE 1110.2, 6-3-2005; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D81, D93]

D29.1 The operator shall conduct source test(s) for the pollutant(s) identified below.

Pollutant(s) to be tested	Required Test Method(s)	Averaging Time	Location
VOC emissions	District method 25.1	District-approved averaging time	Outlet



FACILITY PERMIT TO OPERATE
PACIFIC ENERGY RESOURCES, LTD.

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 after AQMD approval of the source test protocol, but no later than 180 days after initial start-up. The AQMD shall be notified of the date and time of the test at least 10 days prior to the test.

The test shall be conducted to determine the oxygen levels in the exhaust. In addition, the tests shall measure the fuel flow rate (gal/hr), the flue gas flow rate.

The test shall be conducted in accordance with AQMD approved test protocol. The protocol shall be submitted to the AQMD engineer no later than 45 days before the proposed test date and shall be approved by the AQMD before the test commences. The operator may use a previously approved source test protocol for the test, but include a copy of the protocol in the Source test report. The test protocol shall include the proposed operating conditions of the engine during the tests, the identity of the testing,

continuing from the above paragraph, the identity of the testing lab, a statement from the testing lab certifying that it meets the criteria of Rule 304, and a description of all sampling and analytical procedures

The test shall be conducted per Rule 1110.2 (f)(1)(C) as adopted on 2/1/2008

The test shall be conducted for compliance verification of the Rule 1110.2 VOC 250 ppmv limit (Rule adopted 6/3/2005).

The source test report shall be submitted to the District within 45 days after the test has been conducted

[RULE 1110.2, 6-3-2005]

[Devices subject to this condition : D81, D93]



FACILITY PERMIT TO OPERATE
PACIFIC ENERGY RESOURCES, LTD.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

D323.3 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a quarterly basis, at least, unless the equipment did not operate during the entire quarterly period. The routine quarterly inspection shall be conducted while the equipment is in operation and during daylight hours.

If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall verify and certify within 24 hours that the equipment causing the emission and any associated air pollution control equipment are operating normally according to their design and standard procedures and under the same conditions under which compliance was achieved in the past, and either:

- 1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or
- 2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions;
- 3). Date and time visible emission was abated; and
- 4). All visible emission observation records by operator or a certified smoke reader.

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



**FACILITY PERMIT TO OPERATE
PACIFIC ENERGY RESOURCES, LTD.**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

[Devices subject to this condition : D81, D93]

H. Applicable Rules

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

Contaminant	Rule	Rule/Subpart
CO	District Rule	1110.2
VOC	District Rule	1110.2

Per 40 CFR Part 55, Appendix A, for the purpose of this condition D93 and D81 is subject to Rule 1110.2 adopted on 6/3/2005

Once Rule 1110.2 adopted on 2/1/2008 is added to Appendix A of 40 CFR Part 55, then D93 is subject to all the applicable requirements of this Rule

Once Rule 1110.2 adopted on 2/1/2008 is added to Appendix A of 40 CFR Part 55, then D81 is subject to all the applicable requirements of this Rule. Effective 7/1/2010, the VOC limit is 30 ppmv and CO limits is 250 ppmv per section (d)(1) (B)(ii) of Rule 1110.2

[RULE 1110.2, 6-3-2005]

[Devices subject to this condition : D81, D93]

I. Administrative

I30.1 In accordance with Rule 3002(a)(3), the permit for this equipment is being issued as a non-Title V permit.

The facility permit holder shall file an application for a Title V permit revision for this equipment within 90 days of the issuance of the facility's initial Title V permit.

[RULE 3002, 11-14-1997]



FACILITY PERMIT TO OPERATE
PACIFIC ENERGY RESOURCES, LTD.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

[Devices subject to this condition : D81]

K. Record Keeping/Reporting

K40.1 The operator shall provide to the District a source test report in accordance with the following specifications:

Source test results shall be submitted to the District no later than 60 days after the source test was conducted.

All exhaust flow rate shall be expressed in terms of dry standard cubic feet per minute (DSCFM) and dry actual cubic feet per minute (DACFM).

Emission data shall be expressed in terms of mass rate (lbs/hr). In addition, solid PM emissions, if required to be tested, shall also be reported in terms of grains per DSCF.

Emission data shall be expressed in terms of concentration (ppmv), corrected to 15 percent oxygen, dry basis.

[RULE 1110.2, 6-3-2005; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D81, D93]



**FACILITY PERMIT TO OPERATE
PACIFIC ENERGY RESOURCES, LTD.**

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.



**FACILITY PERMIT TO OPERATE
PACIFIC ENERGY RESOURCES, LTD.**

SECTION J: AIR TOXICS

NOT APPLICABLE



**FACILITY PERMIT TO OPERATE
PACIFIC ENERGY RESOURCES, LTD.**

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
PACIFIC ENERGY RESOURCES, LTD.**

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
PACIFIC ENERGY RESOURCES, LTD.**

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)(E)]



**FACILITY PERMIT TO OPERATE
PACIFIC ENERGY RESOURCES, LTD.**

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
PACIFIC ENERGY RESOURCES, LTD.**

**SECTION K: TITLE V Administration
EMERGENCY PROVISIONS**

17. An emergency¹ constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limit only if:

(A) Properly signed, contemporaneous operating records or other credible evidence demonstrate that:

(1) An emergency occurred and the operator can identify the cause(s) of the emergency;

(2) The facility was operated properly (i.e. operated and maintained in accordance with the manufacturer's specifications, and in compliance with all regulatory requirements or a compliance plan), before the emergency occurred;

(3) The operator took all reasonable steps to minimize levels of emissions that exceeded emissions standard, or other requirements in the permit; and,

(4) The operator submitted a written notice of the emergency to the AQMD within two working days of the time when the emissions limitations were exceeded due to the emergency. The notice shall contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken; and

(B) The operator complies with the breakdown provisions of Rule 430 – Breakdown Provisions, or subdivision (i) of Rule 2004 – Requirements, whichever is applicable. [3002(g), 430, 2004(i)]

18. The operator is excused from complying with any regulatory requirement that is suspended by the Executive Officer during a state of emergency or state of war emergency, in accordance with Rule 118 - Emergencies. [118]

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



**FACILITY PERMIT TO OPERATE
PACIFIC ENERGY RESOURCES, LTD.**

**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
PACIFIC ENERGY RESOURCES, LTD.**

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
PACIFIC ENERGY RESOURCES, LTD.**

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
PACIFIC ENERGY RESOURCES, LTD.**

SECTION K: TITLE V Administration

FACILITY RULES

This facility is subject to the following rules and regulations

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

RULE SOURCE	Adopted/Amended Date	FEDERAL Enforceability
RULE 1106	1-13-1995	Federally enforceable
RULE 1110.2	6-3-2005	Non federally enforceable
RULE 1113	6-9-2006	Non federally enforceable
RULE 1122	10-1-2004	Federally enforceable
RULE 1140	8-2-1985	Non federally enforceable
RULE 1149	7-14-1995	Federally enforceable
RULE 1171	7-14-2006	Non federally enforceable
RULE 1173	5-13-1994	Federally enforceable
RULE 1173	6-1-2007	Non federally enforceable
RULE 1176	9-13-1996	Federally enforceable
RULE 118	12-7-1995	Non federally enforceable
RULE 1183	3-12-1993	Non federally enforceable
RULE 1303(a)(1)-BACT	12-6-2002	Non federally enforceable
RULE 1303(b)(2)-Offset	12-6-2002	Non federally enforceable
RULE 1304(a)-Modeling and Offset Exemption	6-14-1996	Federally enforceable
RULE 1703 - PSD Analysis	10-7-1988	Federally enforceable
RULE 2012	5-6-2005	Federally enforceable
RULE 217	1-5-1990	Federally enforceable
RULE 219	6-1-2007	Non federally enforceable
RULE 3002	11-14-1997	Federally enforceable
RULE 3003	3-16-2001	Non federally enforceable



**FACILITY PERMIT TO OPERATE
PACIFIC ENERGY RESOURCES, LTD.**

SECTION K: TITLE V Administration

RULE SOURCE	Adopted/Amended Date	FEDERAL Enforceability
RULE 3004	12-12-1997	Federally enforceable
RULE 3004(a)(4)-Periodic Monitoring	12-12-1997	Federally enforceable
RULE 3005	3-16-2001	Non federally enforceable
RULE 3007	10-8-1993	Federally enforceable
RULE 401	11-9-2001	Non federally enforceable
RULE 404	2-7-1986	Federally enforceable
RULE 405	2-7-1986	Federally enforceable
RULE 407	4-2-1982	Federally enforceable
RULE 408	5-7-1976	Federally enforceable
RULE 409	8-7-1981	Federally enforceable
RULE 430	7-12-1996	Non federally enforceable
RULE 431.1	6-12-1998	Federally enforceable
RULE 431.2	9-15-2000	Non federally enforceable
RULE 463	5-6-2005	Federally enforceable
RULE 475	8-7-1978	Non federally enforceable
RULE 701	6-13-1997	Federally enforceable
40CFR 55 OCS	9-4-1992	Federally enforceable
40CFR 82 Subpart F	5-14-1993	Federally enforceable



**FACILITY PERMIT TO OPERATE
PACIFIC ENERGY RESOURCES, LTD.**

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

1. INTERNAL COMBUSTION ENGINE, EMERGENCY ESCAPE CAPSULE



**FACILITY PERMIT TO OPERATE
PACIFIC ENERGY RESOURCES, LTD.**

**APPENDIX B: RULE EMISSION LIMITS
[RULE 1106 01-13-1995]**

Except as otherwise provided in Rule 1106, the operator shall not apply a marine coating with a VOC content in excess of the following limits, expressed as grams of VOC per liter of coating as applied, less water and less exempt solvents:

<u>COATING</u>	<u>VOC LIMIT</u>	
	<u>Baked</u>	<u>Air Dried</u>
General Coating	275 g/L	340 g/L
Specialty Coating		
Heat Resistant	360	420
Metallic Heat Resistant		530
High Temperature		500
Pre-Treatment Wash Primer	780	780
Underwater Weapons Systems	275	340
Elastomeric Adhesives with 15%, by Weight, Natural or Synthetic Rubber		730
Solvent-Based Inorganic Zinc		650
Navigational Aids		340
Sealant for Wire-Sprayed Aluminum		610
Special Marking		490
Tack Coat		610
Low Activation Interior Coating		420
Repair and Maintenance Thermoplastic		550
Extreme High-Gloss Coating	420	490
Antenna Coating		530
Antifoulant		400
High Gloss	275	340



**FACILITY PERMIT TO OPERATE
PACIFIC ENERGY RESOURCES, LTD.**

**APPENDIX B: RULE EMISSION LIMITS
[RULE 1113 06-09-2006]**

- (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
PACIFIC ENERGY RESOURCES, LTD.**

**APPENDIX B: RULE EMISSION LIMITS
[RULE 1113 06-09-2006]
TABLE OF STANDARDS
VOC LIMITS**

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

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



**FACILITY PERMIT TO OPERATE
PACIFIC ENERGY RESOURCES, LTD.**

**APPENDIX B: RULE EMISSION LIMITS
[RULE 1113 06-09-2006]**

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



**FACILITY PERMIT TO OPERATE
PACIFIC ENERGY RESOURCES, LTD.**

**APPENDIX B: RULE EMISSION LIMITS
[RULE 1113 06-09-2006]**

- * The specified limits remain in effect unless revised limits are listed in subsequent columns in the Table of Standards.
- ** Does not include compounds used for curbs and gutters, sidewalks, islands, driveways and other miscellaneous concrete areas.
- *** The Fire-Retardant Coating category will be eliminated on January 1, 2007 and subsumed by the coating category for which they are formulated.

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

Grams of VOC Per Liter of Material

COATING	Limit
Low-Solids Coating	120



**FACILITY PERMIT TO OPERATE
PACIFIC ENERGY RESOURCES, LTD.**

**APPENDIX B: RULE EMISSION LIMITS
[RULE 1140 08-02-1985]**

- (1) The operator shall not, if he complies with an applicable performance standard in section (b)(4) of Rule 1140, discharge into the atmosphere from any abrasive blasting 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 as No. 2 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 (1)(A).

- (2) The operator shall not, if he is not complying with an applicable performance standard in section (b)(4) of Rule 1140, discharge into the atmosphere from any abrasive blasting 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 as 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 (2)(A).



**FACILITY PERMIT TO OPERATE
PACIFIC ENERGY RESOURCES, LTD.**

**APPENDIX B: RULE EMISSION LIMITS
[RULE 1171 07-14-2006]**

(1) Solvent Requirements

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

	CURRENT LIMITS*	EFFECTIVE 1/1/2008
SOLVENT CLEANING ACTIVITY	VOC g/l (lb/gal)	VOC g/l (lb/gal)
(A) Product Cleaning During Manufacturing Process Or Surface Preparation For Coating, Adhesive, Or Ink Application		
(i) General	25 (0.21)	
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)	
(iii) Medical Devices & Pharmaceuticals	800 (6.7)	
(B) Repair and Maintenance Cleaning		
(i) General	25 (0.21)	
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)	



**FACILITY PERMIT TO OPERATE
PACIFIC ENERGY RESOURCES, LTD.**

**APPENDIX B: RULE EMISSION LIMITS
[RULE 1171 07-14-2006]**

	CURRENT LIMITS*	EFFECTIVE 1/1/2008
SOLVENT CLEANING ACTIVITY (cont.)	VOC g/l (lb/gal)	VOC g/l (lb/gal)
(iii) Medical Devices & Pharmaceuticals		
(A) Tools, Equipment, & Machinery	800 (6.7)	
(B) General Work Surfaces	600 (5.0)	
(C) Cleaning of Coatings or Adhesives Application Equipment	25 (0.21)	
(D) Cleaning of Ink Application Equipment		
(i) General	25 (0.21)	
(ii) Flexographic Printing	25 (0.21)	
(iii) Gravure Printing		
(A) Publication	100 (0.83)	
(B) Packaging	25 (0.21)	
(iv) Lithographic (Offset) or Letter Press Printing		
(A) Roller Wash, Blanket Wash, & On-Press Components		
(1) Newsprint	100 (0.83)	



**FACILITY PERMIT TO OPERATE
PACIFIC ENERGY RESOURCES, LTD.**

**APPENDIX B: RULE EMISSION LIMITS
[RULE 1171 07-14-2006]**

	CURRENT LIMITS*	EFFECTIVE 1/1/2008:
SOLVENT CLEANING ACTIVITY (cont.)	VOC g/l (lb/gal)	VOC g/l (lb/gal)
(II) Other Substrates	500 (4.2)	100 (0.83)
(B) Removable Press Components	25 (0.21)	
(v) Screen Printing	500 (4.2)	100 (0.83)
(vi) Ultraviolet Ink/ Electron Beam Ink Application Equipment (except screen printing)	650 (5.4)	100 (0.83)
(vii) Specialty Flexographic Printing	100 (0.83)	
(E) Cleaning of Polyester Resin Application Equipment	25 (0.21)	

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



**FACILITY PERMIT TO OPERATE
PACIFIC ENERGY RESOURCES, LTD.**

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

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

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

TABLE 404(a)

Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions		Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions	
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
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
PACIFIC ENERGY RESOURCES, LTD.**

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

Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter ² 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
 PACIFIC ENERGY RESOURCES, LTD.**

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

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



**FACILITY PERMIT TO OPERATE
PACIFIC ENERGY RESOURCES, LTD.**

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

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

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

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

TABLE 405(a)

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



**FACILITY PERMIT TO OPERATE
PACIFIC ENERGY RESOURCES, LTD.**

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

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