

FACILITY PERMIT TO OPERATE

BETA OFF SHORE 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.

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EXECUTIVE OFFICER

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FACILITY PERMIT TO OPERATE BETA OFF SHORE

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FACILITY PERMIT TO OPERATE BETA OFF SHORE

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-01B, DIESEL FUEL, CATERPILLAR, MODEL D398PCTA, WITH OXIDATION CATALYST, JOHNSON MATTHEY, MODEL BX-70-D-8, WITH AFTERCOOLER, TURBOCHARGER, 853 BHP WITH A/N: 516026 † Permit to Construct Issued: 10/14/10 GENERATOR, RIG, 600 KW	D82		NOX: LARGE SOURCE**	CO: 250 PPMV (5) [RULE 1110.2, 2-1-2008]; NOX: 450 PPMV DIESEL (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; VOC: 30 PPMV (5) [RULE 1110.2, 2-1-2008]	A63.9, D12.6, D28.1, D29.2, D323.3, E193.2, E448.3, E448.4, E448.5, H23.7, K40.1
INTERNAL COMBUSTION ENGINE, NON-EMERGENCY, EJ-01C, DIESEL FUEL, CATERPILLAR, MODEL D398PCTA, WITH OXIDATION CATALYST, JOHNSON MATTHEY, MODEL BX-70-D-8, WITH AFTERCOOLER, TURBOCHARGER, 853 BHP WITH A/N: 516027 † Permit to Construct Issued: 10/14/10 GENERATOR, RIG, 600 KW	D83		NOX: LARGE SOURCE**	CO: 250 PPMV (5) [RULE 1110.2, 2-1-2008]; NOX: 450 PPMV DIESEL (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; VOC: 30 PPMV (5) [RULE 1110.2, 2-1-2008]	A63.9, D12.6, D28.1, D29.2, D323.3, E193.2, E448.3, E448.4, E448.5, H23.7, 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.

† This permit to construct was issued to the previous operator at a prior date. The equipment was constructed and the permit was subsequently transferred to this operator.

FACILITY PERMIT TO OPERATE BETA OFF SHORE

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					
INTERNAL COMBUSTION ENGINE, NON-EMERGENCY, EN-010-E2, DIESEL FUEL, CATERPILLAR, MODEL D398PCTA, WITH OXIDATION CATALYST, JOHNSON MATTHEY, MODEL BX-70-D-8, WITH AFTERCOOLER, TURBOCHARGER, 853 BHP WITH A/N: 516028 † Permit to Construct Issued: 10/14/10 GENERATOR, RIG, 600 KW	D84		NOX: LARGE SOURCE**	CO: 250 PPMV (5) [RULE 1110.2, 2-1-2008]; NOX: 450 PPMV DIESEL (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; VOC: 30 PPMV (5) [RULE 1110.2, 2-1-2008]	A63.9, D12.6, D28.1, D29.2, D323.3, E193.2, E448.3, E448.4, E448.5, H23.7, K40.1
INTERNAL COMBUSTION ENGINE, NON-EMERGENCY, EN-020-E2, DIESEL FUEL, CATERPILLAR, MODEL D398PCTA, WITH OXIDATION CATALYST, JOHNSON MATTHEY, MODEL BX-70-D-8, WITH AFTERCOOLER, TURBOCHARGER, 853 BHP WITH A/N: 516029 † Permit to Construct Issued: 10/14/10 GENERATOR, RIG, 600 KW	D85		NOX: LARGE SOURCE**	CO: 250 PPMV (5) [RULE 1110.2, 2-1-2008]; NOX: 450 PPMV DIESEL (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; VOC: 30 PPMV (5) [RULE 1110.2, 2-1-2008]	A63.9, D12.6, D28.1, D29.2, D323.3, E193.2, E448.3, E448.4, E448.5, H23.7, K40.1
INTERNAL COMBUSTION ENGINE, NON-EMERGENCY, EN-030-E2, DIESEL FUEL, CATERPILLAR, MODEL D398PCTA, WITH OXIDATION CATALYST, JOHNSON MATTHEY, MODEL BX-70-D-8, WITH AFTERCOOLER, TURBOCHARGER, 853 BHP A/N: 516030	D86		NOX: LARGE SOURCE**	CO: 250 PPMV (5) [RULE 1110.2, 2-1-2008]; NOX: 450 PPMV DIESEL (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; VOC: 30 PPMV (5) [RULE 1110.2, 2-1-2008]	A63.9, D12.6, D28.1, D29.2, D323.3, E193.2, E448.3, E448.4, E448.5, H23.7, 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.

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FACILITY PERMIT TO OPERATE BETA OFF SHORE

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					
INTERNAL COMBUSTION ENGINE, NON-EMERGENCY, L-11B, ELLEN EAST CRANE, DIESEL FUEL, DETROIT DIESEL, MODEL 1064-7001, WITH OXIDATION CATALYST, JOHNSON MATTHEY, MODEL JM P/N CXXO-S--8-4, 195 BHP A/N:	D87		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 1110.2, 2-1-2008]; 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, 2-1-2008]	A63.6, C1.3, D12.4, D28.1, D29.3, D323.3, E193.1, E448.2, E448.4, E448.5, H23.7, K40.1
INTERNAL COMBUSTION ENGINE, NON-EMERGENCY, L-11A, ELLEN CENTER CRANE, DIESEL FUEL, DETROIT DIESEL, MODEL 1063-7008, WITH OXIDATION CATALYST, JOHNSON MATTHEY, MODEL JM P/N CXXO-S-8-4, 195 BHP A/N:	D91		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 1110.2, 2-1-2008]; 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, 2-1-2008]	A63.6, C1.3, D12.4, D28.1, D29.3, D323.3, E193.1, E448.2, E448.4, E448.5, H23.7, K40.1
System 7: ICE: PEDESTAL CRANE - PLATFORM EUREKA					
INTERNAL COMBUSTION ENGINE, NON-EMERGENCY, CR-010-A2, EUREKA EAST CRANE, DIESEL FUEL, DETROIT DIESEL, MODEL 1064-7001, WITH OXIDATION CATALYST, JOHNSON MATTHEY, MODEL JM P/N CXXO-S-8-4, 195 BHP A/N:	D89		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 1110.2, 2-1-2008]; 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, 2-1-2008]	A63.6, C1.3, D12.4, D28.1, D29.3, D323.3, E193.1, E448.2, E448.4, E448.5, H23.7, 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.

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 3: INTERNAL COMBUSTION					
INTERNAL COMBUSTION ENGINE, NON-EMERGENCY, CR-020-A2, EUREKA CENTER CRANE, DIESEL FUEL, DETROIT DIESEL, MODEL 1064-7001, WITH OXIDATION CATALYST, JOHNSON MATTHEY, MODEL JM P/N CXXO-S-8-4, 195 BHP A/N:	D90		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 1110.2, 2-1-2008]; 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, 2-1-2008]	A63.6, C1.3, D12.4, D28.1, D29.3, D323.3, E193.1, E448.2, E448.4, E448.5, H23.7, K40.1
System 8: ICE: PEDESTAL CRANE - PLATFORM ELLY					
INTERNAL COMBUSTION ENGINE, NON-EMERGENCY, L-01A, ELLY EAST CRANE, DIESEL FUEL, DETROIT DIESEL, MODEL 1064-7001, WITH OXIDATION CATALYST, JOHNSON MATTHEY, MODEL JM P/N CXXO-S-8-4, 195 BHP A/N:	D92		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 1110.2, 2-1-2008]; 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, 2-1-2008]	A63.6, C1.3, D12.4, D28.1, D29.3, D323.3, E193.1, E448.2, E448.4, E448.5, H23.7, 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.

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FACILITY PERMIT TO OPERATE BETA OFF SHORE

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 BETA OFF SHORE

SECTION H: DEVICE ID INDEX

Device Index For Section H			
Device ID	Section H Page No.	Process	System
D82	1	3	4
D83	1	3	4
D84	2	3	5
D85	2	3	5
D86	2	3	5
D87	3	3	6
D89	3	3	7
D90	4	3	7
D91	3	3	6
D92	4	3	8

FACILITY PERMIT TO OPERATE BETA OFF SHORE

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 the 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 BETA OFF SHORE

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 BETA OFF SHORE

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

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

CONTAMINANT	EMISSIONS LIMIT

FACILITY PERMIT TO OPERATE BETA OFF SHORE

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 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; **40CFR 55 OCS, 9-4-1992**]

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

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

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; **40CFR 55 OCS, 9-4-1992**]

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

C. Throughput or Operating Parameter Limits

C1.3 The operator shall limit the operating time to no more than 500 hour(s) in any one year.

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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

The purpose(s) of this condition is to exempt the engine from the VOC limit of 30 ppmvd and the CO limit of 250 ppmvd, both corrected to 15% O₂, effective 7/1/2011, pursuant to Rule 1110.2(d)(1)(B)(ii).

The engine shall emit no more than 250 ppmvd of VOC and 2000 ppmvd of CO, both corrected to 15% O₂.

To comply with this condition, the operator shall install and maintain a(n) non-resettable elapsed time meter to accurately indicate the elapsed operating time of the equipment.

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

[RULE 1110.2, 2-1-2008]

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

D. Monitoring/Testing Requirements

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 oxidation catalyst.

The temperature of the engine exhaust at the inlet of the catalyst shall be between 480 and 1380 degrees F, inclusive.

The temperature range requirement of this condition shall 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 : D87, D89, D90, D91, D92]

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.

FACILITY PERMIT TO OPERATE BETA OFF SHORE

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

The temperature of the engine exhaust at the inlet of the catalyst shall be between 465 and 1250 degrees F, inclusive.

The temperature range requirement of this condition shall 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 : D82, D83, D84, D85, D86]

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 to determine the CO emissions at the outlet.

The test shall be conducted in compliance with the source testing requirements of Rule 1110.2(f)(1)(C).

The test shall be conducted in accordance with an AQMD approved protocol.

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

[RULE 1110.2, 2-1-2008; RULE 1303(b)(2)-Offset, 12-6-2002]

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

D29.2 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 25.3	District-approved averaging time	Outlet

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

CO emissions	District method 100.1	District-approved averaging time	Outlet
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The test shall be conducted after AQMD approval of the source test protocol, but no later than 180 days after the permit to construct is issued. The AQMD shall be notified of the date and time of the test at least 30 days prior to the test.

The test shall be conducted in accordance with an AQMD approved test protocol. The protocol shall be submitted to the AQMD engineer no later than 60 days before the proposed test date and shall be approved by the AQMD before the test commences. The test protocol shall include the name, address and phone number of the engine operator and a District-approved source testing contractor that will conduct the test, the application and permit number(s), emission limits, a description of the engine(s)

to be tested, the test methods and procedures to be used, the number of tests to be conducted and under what loads, the required minimum sampling time for the VOC test based on the analytical detection limit and expected VOC levels, and a description of the parameters to be measured in accordance with the I&M plan required by the Rule 1110.2(f)(1)(D).

The test shall be conducted in accordance with the source testing requirements of Rule 1110.2(f)(1)(C).

The test shall be conducted for compliance verification of the 30 ppmvd VOC limit.

The test shall be conducted for compliance verification of the 250 ppmvd CO limit.

The source test report shall be submitted to the District within 60 days after the test has been conducted.

[RULE 1110.2, 2-1-2008]

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

FACILITY PERMIT TO OPERATE BETA OFF SHORE

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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

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

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) and 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 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 250 ppmvd limit for VOC.

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

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

[RULE 1110.2, 2-1-2008]

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

FACILITY PERMIT TO OPERATE BETA OFF SHORE

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 BETA OFF SHORE

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 : D82, D83, D84, D85, D86, D87, D89, D90, D91, D92]

E. Equipment Operation/Construction Requirements

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

The operator shall install and maintain an engine backpressure gauge to accurately indicate the engine backpressure.

The engine backpressure shall not exceed 44 inches water column.

The catalyst shall be cleaned or replaced if the engine backpressure exceeds the recommended limit.

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

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

E193.2 The operator shall construct, operate, and maintain this equipment according to the following requirements:

The engine shall install and maintain an engine backpressure gauge to accurately indicate the engine backpressure.

The engine backpressure shall not exceed 27 inches water column.

The catalyst shall be cleaned or replaced if the engine backpressure exceeds the recommended limit.

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

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

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

FACILITY PERMIT TO OPERATE BETA OFF SHORE

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Maintain a quarterly engine operating log that includes:

A. Total hours of operation;

B. Type of liquid fuel;

C. Fuel consumption (gallons of liquid); and

D. Cumulative hours of operation since the last source test required in Rule 1110.2(f)(1)(C).

[RULE 1110.2, 2-1-2008]

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

E448.3 The operator shall comply with the following requirements:

Maintain a monthly engine operating log that includes:

A. Total hours of operation;

B. Type of liquid fuel;

C. Fuel consumption (gallons of liquid); and

D. Cumulative hours of operation since the last source test required in Rule 1110.2(f)(1)(C).

[RULE 1110.2, 2-1-2008]

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

E448.4 The operator shall comply with the following requirements:

The operator shall comply with the requirements of the Inspection and Monitoring (I&M) plan.

FACILITY PERMIT TO OPERATE BETA OFF SHORE

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

[RULE 1110.2, 2-1-2008]

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

E448.5 The operator shall comply with the following requirements:

The operator shall comply with the reporting requirements of Rule 1110.2(f)(1) (H) pertaining to any equipment breakdown that results in emissions in excess of rule or permit emission limits for VOC or CO.

[RULE 1110.2, 2-1-2008]

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

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

[RULE 1110.2, 2-1-2008]

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

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 BETA OFF SHORE

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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, 2-1-2008; RULE 1303(b)(2)-Offset, 12-6-2002]

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