

## FACILITY PERMIT TO OPERATE U.S. GOVT, DEPT OF NAVY

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 2: PUBLIC WORK CENTER, SAN CLEMENTE ISLAND (ID NO. 66802)</b>					
<b>System 1: Non-Emergency I.C. Engines</b>					
INTERNAL COMBUSTION ENGINE, NON-EMERGENCY, SERIAL NO. 67-M1-1003, DRIVING A GENERATOR, DIESEL FUEL, GENERAL MOTORS POWER, MODEL NO. 12-645-E1, 1200 HP WITH A/N:  CO OXIDATION CATALYST, MIRATECH CORP., 3.5 FT3 OF TOTAL VOLUME, WITH 12 MODULES, EACH WIDTH: 1 FT 0 IN; HT: 0 FT 3.1 IN; LENGTH: 1 FT 1.4 IN,	D17          C230	C230          D17		CO: 23 PPMV (8) [40CFR 63SubpartZZZZ, 3-9-2011]; PM: (9) [RULE 404, 2-7-1986]	B61.2, D29.1, D323.1, E448.1, H23.10, K67.1          A72.1, C6.1, D12.2
INTERNAL COMBUSTION ENGINE, NON-EMERGENCY, SERIAL NO. 59-B-28, DRIVING A GENERATOR, DIESEL FUEL, GENERAL MOTORS POWER, MODEL 8-567-CR, 720 HP WITH A/N:  CO OXIDATION CATALYST, MIRATECH CORP., 2.3 FT3 OF TOTAL VOLUME, WITH 8 MODULES, EACH WIDTH: 1 FT 0 IN; HT: 0 FT 3.1 IN; LENGTH: 1 FT 1.4 IN,	D18          C231	C231          D18		CO: 23 PPMV (8) [40CFR 63SubpartZZZZ, 3-9-2011]; PM: (9) [RULE 404, 2-7-1986]	B61.2, D29.1, D323.1, E448.1, H23.10, K67.1          A72.1, C6.1, D12.2

\* (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  
U.S. GOVT, DEPT OF NAVY**

**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  
U.S. GOVT, DEPT OF NAVY**

**SECTION H: DEVICE ID INDEX**

<b>Device Index For Section H</b>			
<b>Device ID</b>	<b>Section H Page No.</b>	<b>Process</b>	<b>System</b>
D17	1	2	1
D18	1	2	1
D19	2	2	1
D20	2	2	1
C230	1	2	1
C231	1	2	1
C232	2	2	1
C233	2	2	1

## **FACILITY PERMIT TO OPERATE U.S. GOVT, DEPT OF NAVY**

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#### **FACILITY CONDITIONS**

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

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

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

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

F14.1 The operator shall not purchase diesel fuel containing sulfur compounds in excess of 15 ppm by weight as supplied by the supplier.

[RULE 431.2, 9-15-2000]

F14.2 The operator shall not use diesel fuel containing sulfur compounds in excess of 0.05 percent by weight.

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

#### **DEVICE CONDITIONS**

##### **A. Emission Limits**

A72.1 The operator shall maintain this equipment to achieve a minimum removal efficiency of 70 percent for CO during the normal operation of the equipment it vents.

[40CFR 63SubpartZZZZ, 3-9-2011]

[Devices subject to this condition : D17, D18, D19, D20]

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

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#### **B. Material/Fuel Type Limits**

B61.2 The operator shall not use diesel fuel containing the following specified compounds:

Compound	ppm by weight
Sulfur greater than	15

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : D17, D18, D19, D20]

#### **C. Throughput or Operating Parameter Limits**

C6.1 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, does not exceed 2 inches water column.

To comply with this condition, the operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the oxidation catalyst.

The operator shall determine and record the parameter being monitored once every 30 days.

[40CFR 63SubpartZZZZ, 3-9-2011]

[Devices subject to this condition : D17, D18, D19, D20]

#### **D. Monitoring/Testing Requirements**

D12.2 The operator shall install and maintain a(n) temperature reading device to accurately indicate the temperature at the inlet and outlet of the Oxidation Catalyst. The inlet temperature shall be at least 550 degrees Fahrenheit.

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

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The temperature at the inlet and outlet of the oxidation catalyst shall be continuously monitored.

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

**[40CFR 63SubpartZZZZ, 3-9-2011]**

[Devices subject to this condition : D17, D18, D19, D20]

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	Test Location
CO emissions	EPA Test Method 10 or District Method 100.1	District-approved averaging time	Inlet and outlet of APC equipment serving this equipment

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The test(s) shall be conducted at least annually after the initial source test(s).

The test shall be conducted per test procedures outlined in 40 CFR63, Subpart ZZZZ.

The test shall be conducted to determine the CO emissions at the inlet and outlet of the oxidation catalyst to demonstrate compliance with the applicable requirements of 40 CFR63, Subpart ZZZZ.

A source test protocol shall be submitted to the district no later than 60 days after the initial start-up of this equipment unless otherwise approved in writing by the district.

The test protocol shall be approved in writing by the district before the test commences. The test protocol shall include the completed district forms ST-1 and ST-2 specifying the proposed operating conditions of the equipment during the test, the identity of the testing laboratory, a statement from the testing laboratory certifying it meets the criteria in district rule 304(k), and a description of the sampling and analytical procedures to be used.

The test shall be conducted within 45 days only after a source test protocol has been received and approved by the District.

The District shall be notified of the date and time of the test at least 10 calendar days prior to the test.

Sampling facilities shall comply with the District guidelines for construction of sampling and testing facilities, pursuant to Rule 217.

Source test results shall also include emissions rates for CO in terms of lb/hr and part per million by volume, Oxygen Content, Moisture Content, Flow Rate, Inlet and Outlet Temperature, Fuel Usage. Source test results shall also include percent reduction of CO.

**[40CFR 63SubpartZZZZ, 3-9-2011]**

## FACILITY PERMIT TO OPERATE U.S. GOVT, DEPT OF NAVY

### 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 : D17, D18, D19, D20]

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 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.

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 U.S. GOVT, DEPT OF NAVY**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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 : D17, D18, D19, D20]

**E. Equipment Operation/Construction Requirements**

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

The engine and control device shall be operated and maintained as per manufacturer's instructions or an operator-developed maintenance plan.

[40CFR 63SubpartZZZZ, 3-9-2011]

[Devices subject to this condition : D17, D18, D19, D20]

**H. Applicable Rules**

H23.10 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
HAPs	40CFR63, SUBPART	ZZZZ

[40CFR 63SubpartZZZZ, 3-9-2011]

[Devices subject to this condition : D17, D18, D19, D20]

**K. Record Keeping/Reporting**

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

Days and hours of operation

[RULE 1303(b)(2)-Offset, 5-10-1996]

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