



**BAY AREA AIR QUALITY
MANAGEMENT DISTRICT**

939 ELLIS STREET
SAN FRANCISCO, CALIFORNIA 94109
(415) 771-6000

**PERMIT
TO OPERATE**

Plant# 14549

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Expires: JUL 1, 2008

This document does not permit the holder to violate any District regulation or other law.

Greg Stanley

Joint Genome Institute
2800 Mitchell Drive
Walnut Creek, CA 94598

Location: 2800 Mitchell Drive
Walnut Creek, CA 94598

S#	DESCRIPTION	[Schedule]	PAID
1	STANDBY, Reciprocating Engine, Elect Gen, 893 in3 displ Diesel Engine, Caterpillar model 3406, emergency [B, 731 days] Emissions at: P2 Stack		274
2	STANDBY, Reciprocating Engine, Elect Gen, 893 in3 displ Diesel Engine, Caterpillar model 3402, emergency [B, 731 days] Emissions at: P1 Stack		274

2 Permit Sources, 0 Exempt Sources

*** See attached Permit Conditions ***

The operating parameters described above are based on information supplied by permit holder and may differ from the limits set forth in the attached conditions of the Permit to Operate. The limits of operation in the permit conditions are not to be exceeded. Exceeding these limits is considered a violation of District regulations subject to enforcement action.



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*** PERMIT CONDITIONS ***

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Source# 1 subject to Condition ID# 19533
Source# 2 " " " ID# 19533



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*** PERMIT CONDITIONS ***

CONDITION ID #19533

CONDITIONS FOR NON "ESSENTIAL" EMERGENCY ENGINES:

Stationary Equipment Requirements

1. Hours of Operation: The owner/operator shall operate the emergency standby engine(s) only to mitigate emergency conditions or for reliability-related activities. Operating while mitigating emergency conditions is unlimited. Operating for reliability-related activities is limited to 100 hours per any calendar year. [Basis: Regulation 9-8-330]

"Emergency Conditions" is defined as any of the following:

- a. Loss of regular natural gas supply.
 - b. Failure of regular electric power supply.
 - c. Flood mitigation.
 - d. Sewage overflow mitigation.
 - e. Fire.
 - f. Failure of a primary motor, but only for such time as needed to repair or replace the primary motor.
- [Basis: Regulation 9-8-231]

"Reliability-related activities" is defined as any of the following:

- a. Operation of an emergency standby engine to test its ability to perform for an emergency use, or
 - b. Operation of an emergency standby engine during maintenance of a primary motor.
- [Basis: Regulation 9-8-232]

2. The owner/operator shall equip the emergency standby engine(s) with either:

- a. a non-resettable totalizing meter that measures the hours of operation for the engine; or
 - b. a non-resettable fuel usage meter, the maximum hourly fuel rate shall be used to convert fuel usage to hours of operation.
- [Basis: Regulation 9-8-530]

3. Records: The owner/operator shall maintain the following monthly records in a District-approved log for at least 2 years and shall make the log available for District inspection upon request:



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*** PERMIT CONDITIONS ***

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- a. Hours of operation (total).
 - b. Hours of operation (emergency).
 - c. For each emergency, the nature of the emergency condition.
 - d. Fuel usage for engine(s) if a non-resettable fuel usage meter is utilized.
- [Basis: Regulations 9-8-530 and 1-441]

~~~~~ END OF CONDITIONS ~~~~~