



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

**PERMIT EXPIRATION DATE**

**June 01, 2022**



**Owner Mailing Contact:**

UC Berkeley, Richmond Field Station Campus  
317 University Hall, #1150  
Berkeley, CA 94720  
Attn: Bernadette Santos



**Facility ID: 16998**

UC Berkeley, Richmond Field Station Campus  
1301 So 46th Street  
Richmond, CA 94804

**Owning Entity:**

UC Berkeley, Richmond Field Station Campus



**DEVICES**

This document serves as your Permit to Operate the following:

**S1 Emergency Standby Diesel Generator Set**

Diesel Internal Combustion Engine  
Stationary, Emergency Standby  
75 BHP Perkins Engine 2001 (1PKXL04.0AJ1)  
Permitted

Authorized emissions flows from this device:  
S1 (Combustion /Internal Combustion Engine /Emergency Standby) --> P1 (Emission Point 1)

**S2 Emergency Standby Diesel Generator Set**

Diesel Internal Combustion Engine  
Stationary, Emergency Standby  
95 BHP Perkins Engine 2003 (3PKXL03.9AK1)  
Permitted

Authorized emissions flows from this device:  
S2 (Combustion /Internal Combustion Engine /Emergency Standby) --> P2 (Emission Point 2)

**S3 Diesel Fire Pump**

Diesel Internal Combustion Engine  
Stationary, Emergency Standby  
144 BHP John Deere 2019  
Permitted

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



**PERMIT CONDITIONS**

The devices described in this document are subject to the following permit conditions:



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- S1** Subject to Condition #: **100072, 100073**
- S2** Subject to Condition #: **100072, 100073**
- S3** Subject to Condition #: **100072, 100073, 100076**

**Condition #: 100072 S1**

1. The owner or operator shall operate each emergency standby engine only for the following purposes: to mitigate emergency conditions, for emission testing to demonstrate compliance with a District, state or Federal emission limit, or for reliability-related activities (maintenance and other testing, but excluding emission testing). Operating while mitigating emergency conditions or while emission testing to show compliance with District, state or Federal emission limits is not limited.  
[Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]
2. The owner/operator shall operate each emergency standby engine only when a non-resettable totalizing meter (with a minimum display capability of 9,999 hours) that measures the hours of operation for the engine is installed, operated and properly maintained.  
[Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]
3. Records: The owner/operator shall maintain the following monthly records in a District-approved log for at least 36 months from the date of entry (60 months if the facility has been issued a Title V Major Facility Review Permit or a Synthetic Minor Operating Permit). Log entries shall be retained on-site, either at a central location or at the engine's location, and made immediately available to the District staff upon request.
  - i. Hours of operation for reliability-related activities (maintenance and testing).
  - ii. Hours of operation for emission testing to show compliance with emission limits.
  - iii. Hours of operation (emergency).
  - iv. For each emergency, the nature of the emergency condition.
  - v. Fuel usage for each engine(s).  
[Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]
4. At School and Near-School Operation: If the emergency standby engine is located on school grounds or within 500 feet of any school grounds, the following requirements shall apply: The owner or operator shall not operate each stationary emergency standby diesel-fueled engine for non-emergency use, including maintenance and testing, during the following periods:
  - i. Whenever there is a school sponsored activity (if the engine is located on school grounds)
  - ii. Between 7:30 a.m. and 3:30 p.m. on days when school is in session.
 "School" or "School Grounds" means any public or private school used for the purposes of the education of more than 12 children in kindergarten or any of grades 1 to 12, inclusive, but does not include any private school in which education is primarily conducted in a private home(s). "School" or "School Grounds" includes any building or structure, playground, athletic field, or other areas of school property but does not include unimproved school property.  
[Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]

**Condition #: 100072 S2**



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1. The owner or operator shall operate each emergency standby engine only for the following purposes: to mitigate emergency conditions, for emission testing to demonstrate compliance with a District, state or Federal emission limit, or for reliability-related activities (maintenance and other testing, but excluding emission testing). Operating while mitigating emergency conditions or while emission testing to show compliance with District, state or Federal emission limits is not limited.  
[Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]
2. The owner/operator shall operate each emergency standby engine only when a non-resettable totalizing meter (with a minimum display capability of 9,999 hours) that measures the hours of operation for the engine is installed, operated and properly maintained.  
[Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]
3. Records: The owner/operator shall maintain the following monthly records in a District-approved log for at least 36 months from the date of entry (60 months if the facility has been issued a Title V Major Facility Review Permit or a Synthetic Minor Operating Permit). Log entries shall be retained on-site, either at a central location or at the engine's location, and made immediately available to the District staff upon request.
  - i. Hours of operation for reliability-related activities (maintenance and testing).
  - ii. Hours of operation for emission testing to show compliance with emission limits.
  - iii. Hours of operation (emergency).
  - iv. For each emergency, the nature of the emergency condition.
  - v. Fuel usage for each engine(s).[Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]
4. At School and Near-School Operation: If the emergency standby engine is located on school grounds or within 500 feet of any school grounds, the following requirements shall apply: The owner or operator shall not operate each stationary emergency standby diesel-fueled engine for non-emergency use, including maintenance and testing, during the following periods:
  - i. Whenever there is a school sponsored activity (if the engine is located on school grounds)
  - ii. Between 7:30 a.m. and 3:30 p.m. on days when school is in session."School" or "School Grounds" means any public or private school used for the purposes of the education of more than 12 children in kindergarten or any of grades 1 to 12, inclusive, but does not include any private school in which education is primarily conducted in a private home(s). "School" or "School Grounds" includes any building or structure, playground, athletic field, or other areas of school property but does not include unimproved school property.  
[Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]

Condition #: 100072 S3



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1. The owner or operator shall operate each emergency standby engine only for the following purposes: to mitigate emergency conditions, for emission testing to demonstrate compliance with a District, state or Federal emission limit, or for reliability-related activities (maintenance and other testing, but excluding emission testing). Operating while mitigating emergency conditions or while emission testing to show compliance with District, state or Federal emission limits is not limited.  
[Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]
2. The owner/operator shall operate each emergency standby engine only when a non-resettable totalizing meter (with a minimum display capability of 9,999 hours) that measures the hours of operation for the engine is installed, operated and properly maintained.  
[Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]
3. Records: The owner/operator shall maintain the following monthly records in a District-approved log for at least 36 months from the date of entry (60 months if the facility has been issued a Title V Major Facility Review Permit or a Synthetic Minor Operating Permit). Log entries shall be retained on-site, either at a central location or at the engine's location, and made immediately available to the District staff upon request.
  - i. Hours of operation for reliability-related activities (maintenance and testing).
  - ii. Hours of operation for emission testing to show compliance with emission limits.
  - iii. Hours of operation (emergency).
  - iv. For each emergency, the nature of the emergency condition.
  - v. Fuel usage for each engine(s).
 [Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]
4. At School and Near-School Operation: If the emergency standby engine is located on school grounds or within 500 feet of any school grounds, the following requirements shall apply: The owner or operator shall not operate each stationary emergency standby diesel-fueled engine for non-emergency use, including maintenance and testing, during the following periods:
  - i. Whenever there is a school sponsored activity (if the engine is located on school grounds)
  - ii. Between 7:30 a.m. and 3:30 p.m. on days when school is in session.
 "School" or "School Grounds" means any public or private school used for the purposes of the education of more than 12 children in kindergarten or any of grades 1 to 12, inclusive, but does not include any private school in which education is primarily conducted in a private home(s). "School" or "School Grounds" includes any building or structure, playground, athletic field, or other areas of school property but does not include unimproved school property.  
[Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]

**Condition #: 100073 S1**

The owner/operator shall not exceed the following limits per year per engine for reliability-related activities:

50 Hours of Diesel fuel

[Basis: Cumulative Increase; Regulation 2-5; Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]

**Condition #: 100073 S2**

The owner/operator shall not exceed the following limits per year per engine for reliability-related activities:

50 Hours of Diesel fuel

[Basis: Cumulative Increase; Regulation 2-5; Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]

**Condition #: 100073 S3**



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The owner/operator shall not exceed the following limits per year per engine for reliability-related activities:

50 Hours of Diesel fuel(Diesel fuel)

[Basis: Cumulative Increase; Regulation 2-5; Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]

**Condition #: 100076 S3**

The owner/operator shall operate this emergency standby engine only when directly coupled to pump(s) exclusively used in water-based fire protection system(s).

**END OF CONDITIONS**



**IMPLIED CONDITIONS**

Unless your specific permit conditions state otherwise, the throughputs, fuel and material consumptions, capacities and hours of operation described in your permit application will be considered maximum allowable limits.

A new permit will be required before any increase in parameters, such as throughputs, fuel and material consumption, capacities, and hours of operation, or change in materials, equipment or permit conditions may be made.



**RIGHT OF ACCESS**

In accordance with Regulation 1-440, BAAQMD shall be granted the right of access to any premises on which an air pollution source s located for the purposes of:

- a) The inspection of the source,
- b) The sampling of materials used at the source,
- c) The conduct of an emission source test, and
- d) The inspection of any records required by BAAQMD rule or permit condition



**REGULATORY COMPLIANCE**

This Permit To Operate does not authorize violations of the rules and regulations of BAAQMD (may be viewed at [www.baaqmd.gov](http://www.baaqmd.gov)), California or Federal law. Compliance with conditions in this permit does not mean that the permit holder is currently in compliance with BAAQMD Rules and Regulations It is the responsibility of the permit holder to have knowledge of and be in compliance with all BAAQMD rules and regulations.



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### Reported Source Emissions

For Renewal Period 6/1/2021 to 6/1/2022

Source	Facility Source Description	Annual Average lbs/day				
		PM	Org	NOx	SO2	CO
S1	Emergency Standby Diesel Generator Set	0.00	0.01	0.00	0.00	0.00
S2	Emergency Standby Diesel Generator Set	0.01	0.07	0.00	0.00	0.00
S3	Diesel Fire Pump	0.00	0.00	0.00	0.00	0.00
<b>TOTALS</b>		<b>0.01</b>	<b>0.07</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

#### FACILITY TOTALS FOR EACH EMITTED TOXIC POLLUTANT

Pollutant Name	Emissions lbs/day
Diesel Engine Exhaust Particulate Matter	0.01

### Prioritization Score: 7

Prioritization scores are calculated based on the quantity of toxic air contaminant emissions, the toxicity of the toxic air contaminants, and the proximity of the facility to potential receptors such as residences, hospitals, schools, and workers.

END OF DOCUMENT