

CONDITIONS OF APPROVAL:

Pursuant to Rule 209, "conditional approval" is hereby granted. Please be aware compliance with all conditions of approval imposed by any applicable Authority to Construct remain in effect for life of project, unless modified by application.

EQUIPMENT DESCRIPTION: Emergency Generator Set, including the following equipment and design specifications:

100-kW Caterpillar D100 GC Emergency Generator Set driven by 161-bhp Caterpillar Model C4.4/Perkins Model 1104D-E44TA (EPA Engine Family PPKXL04.4NR1) EPA Certified Tier 3 diesel fueled piston engine (S/N TBD)

NOTIFICATION REQUIREMENTS:

In accordance with District Rule 201.II (Permits Required), a person shall notify the Control Officer before operating or using equipment granted in this Authority to Construct. This Authority to Construct shall serve as a temporary Permit to Operate only after such notification. Such notification shall be completed in writing. Intent to Use Notification form is available at the District website: http://www.kernair.org/Main_Pages/Subpages/Forms_Sub/Application_Forms.html. Form can be mailed to the District Administrative Office at: 2700 "M" Street Suite 302, Bakersfield, CA 93301, e-mailed to the District at the following address: ekapcd@kerncounty.com, or sent by FAX to the District at: (661) 862-5251.

DESIGN CONDITIONS:

- a. Engine shall be equipped with turbo charger and aftercooler (Rule 210.1 BACT Requirement)
- b. Elapsed time meter shall be installed and maintained indicating cumulative hours of engine operating time. (Rule 210.1)
- c. Engine shall be equipped with a permanently affixed placard readily available for inspection with the following engine information: brake horsepower, make, model, serial number, and Tier number. (Rule 210.1)

OPERATIONAL CONDITIONS:

1. Hours of operation shall not exceed 200 hours per year. (Rule 210.1)
2. Operation for maintenance and testing shall be limited to no more than 50 hours per year. (17 CCR §93115.6)
3. Fuel for diesel piston engine shall conform to California Air Resources Board standards for reformulated diesel fuel (low sulfur content, 0.0015% by weight). (Rule 210.1 BACT Requirement)
4. Visible emissions from engine exhaust after engine has reached normal operating temperature shall not be more than 5% opacity or Ringelmann No. ¼ for more than 3 minutes in any one hour. (Rule 210.1 BACT Requirement)
5. Engine and emission control devices shall be operated and maintained according to manufacturers' emission-related written instructions to ensure compliance with emission limitations. (Rule 423 Subpart ZZZZ, 40 CFR §63.6590(c)(1), 40 CFR §60.4243(a) & (g))
6. Owner/operator shall only adjust engine settings according to and consistent with the manufacturer's instructions. (Rule 423 Subpart ZZZZ, 40 CFR §60.4243(a))
7. Operation of this equipment shall be conducted in compliance with all data and specifications submitted with application under which this permit is issued. (Rule 210.1)
8. Operating record of this equipment shall be maintained in format approved in writing by District kept for a minimum of two years, and made available upon request of District personnel. Record shall include, at minimum, days and hours of operation, amount of fuel oil supplied to this engine, date(s) fuel was supplied, and engine check(s) including: air filters, fuel filters, oil filters, engine oil, exhaust system, coolant, and spark plugs (if so equipped). (Rule 210.1).
9. Compliance with all operational conditions shall be verified by appropriate recordkeeping, including records of operational data and maintenance needed to demonstrate compliance. Such records shall be kept on site in readily available format. (Rules 210.1, 423 Subpart ZZZZ)

10. No emission resulting from use of this equipment shall cause injury, detriment, nuisance, annoyance to or endanger comfort, repose, health or safety of any considerable number of persons or public. (Rule 419 and CH&SC §41700)

STATE OF CALIFORNIA AIR TOXICS HOT SPOT REQUIREMENTS:

Facility shall comply with California Health and Safety Code Sections 44300 through 44384. (Rule 208.1)

COMPLIANCE TESTING REQUIREMENTS:

Should inspection reveal conditions indicative of non-compliance, compliance with emission limits shall be verified pursuant to Rule 108.1 and EKAPCD Guidelines for Compliance Testing, within 30 days of District request. (Rule 108.1)

EMISSION LIMITS:

Maximum emissions rate of each air contaminant from this emission unit shall not exceed following limits:

<u>Particulate Matter (PM₁₀):</u>	0.08	g/bhp-hr (TBACT Requirement)
	0.03	lb/hr
	0.70	lb/day
	0.003	ton/year
<u>Oxides of Sulfur (SO_x as SO₂):</u>	0.002	lb/hr
	0.04	lb/day
	0.0002	ton/year
<u>Oxides of Nitrogen (NO_x):</u>	2.8	g/bhp-hr (BACT Requirement)
	1.01	lb/hr
	24.28	lb/day
	0.05	ton/year
<u>Volatile Organic Compounds (VOC):</u>	0.2	g/bhp-hr (BACT Requirement)
	0.05	lb/hr
	1.28	lb/day
	0.01	ton/year
<u>Carbon Monoxide (CO):</u>	3.7	g/bhp-hr (ATCM Requirement)
	1.31	lb/hr
	31.52	lb/day
	0.13	ton/year

(Emissions limits established pursuant to Rule 210.1 unless otherwise noted)

Compliance with maximum daily emission limits shall be verified by source operator (with appropriate operational data and recordkeeping to document maximum daily emission rate) each day source is operated and such documentation of compliance shall be retained and made readily available to District for a period of three years. (Rule 210.1)