



## MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

14306 Park Avenue Victorville, CA 92392-2310  
760.245.1661 -- 800.635.4617 -- FAX 760.245.2022

**INACTIVE**

B009798

Inactive type Permit has no description information.

**EXPIRES LAST DAY OF: JANUARY 2009**

### **OWNER OF OPERATOR (Co.#1719)**

Cutting Edge Aggregates, Inc.  
P.O. Box 398  
Oro Grande, CA 92368

### **EQUIPMENT LOCATION (Fac.#2921)**

Cutting Edge - Oro Grande  
19409 National Trails Hwy  
Oro Grande, CA 92368

#### **Description:**

PORTABLE IMPACT CRUSHER & CONVEYORS consisting of: Pioneer Model FT-4250 with impact crusher, conveyors, and screen which are hydraulically driven and powered by a diesel fueled Cummins ICE.

#### **EQUIPMENT**

Capacity	Equipment Description
400	Cummins ICE Model QSM-11 Serial # 35090512, Year of Manufacturer - 2004, with Direct Injection, Turbo Charger and After Cooler - This is a Tier 2 ICE with a DPM of 0.08 g/bhp-hr.
0	Grizzly Feed Hopper
0	Conveyor
0	Impact Crusher
0	Conveyor
0	Single Deck Screen
0	Return Conveyor
0	Product Conveyor

#### **CONDITIONS:**

1. This equipment shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.

Fee Schedule: 1 (b)

Rating: 400 bhp

SIC: 1429

SCC: 30502510

Location/UTM(Km):  
471E/3829N

This permit does not authorize the emission of air contaminants in excess of those allowed by law, including Division 26 of the Health and Safety Code of the State of California and the Rules and Regulations of the District. This permit cannot be construed as permission to violate existing laws, ordinances, statutes or regulations of this or other governmental agencies. This permit must be renewed by the expiration date above. If billing for renewal fee required by Rule 301(c) is not received by expiration date above, please contact the District.

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By: **COPY**  
**Brad Poiriez**  
Air Pollution Control Officer

2. This diesel ICE and its associated equipment cannot be operated at the same engine-print (spot) for more than 365 consecutive days. (This system must be moved within this facility or moved to another facility annually.) [Title 13 CCR 93116.2(bb)]
3. This unit shall not operate more than 8 hours in any day. [Regulation XIII]
4. The owner/operator (o/o) shall limit the hourly production (sum of all products) to 325 tons per hour.
5. The owner/operator (o/o) shall limit the daily production (sum of all products) to 2,000 tons per year.
6. The owner/operator (o/o) shall limit the annual production (sum of all products) to 388,000 tons per year.
7. The o/o shall maintain a operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
- a. Date of each use and duration of each use (in hours);
  - b. The tons of produced per day;
  - c. The tons of product produced per month;
  - d. Yearly total throughput;
  - e. Calendar year operation in terms of fuel consumption (in gallons) and total hours;
  - f. Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log). [Title 13 CCR 93116.4(c)];
  - g. Opacity results from fugitive emission points in accord with Condition 7 above; and
  - h. Maintenance and break down records associated with all water spray systems.
8. This unit shall only be fired on ultra-low sulfur diesel fuel, whose sulfur concentration is less than or equal to 0.0015% (15) on a per weight basis per CARB Diesel or equivalent requirements.. (17 CCR \S93115(e)(1)(A))
9. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time by January 1, 2012. [Title 13 CCR 93116.4(c)(2)(A)]
10. This portable diesel-fueled engine (unit) shall be certified to meet a federal or California standard for newly manufactured nonroad engines pursuant to 40 CFR Part 89 or Title 13 CCR Section 2423 (that is, certified to Tier 1, 2 or 3 nonroad engine standards). (Title 17 CCR Section 93116.3 (b)(2)) {This ICE is a Tier 2 Engine}
11. The o/o of this unit must submit a Status Report for the entire fleet\* by March 1, 2011. This Status Report should include, but not limited to, the following, for details see Title 13 CCR 93116.4(e)(1):
- a. The fleet's weighted average PM emission rate for the 2010 calendar year,
  - b. Inventory of portable engines in the fleet,
  - c. Identify, if applicable, each portable diesel-fueled engine that the owner commits to replacing with a Tier 4 engine,
  - d. Listing of portable diesel-fueled engines, if applicable, used exclusively in emergency applications,
  - e. Listing of portable diesel-fueled engines, if applicable, satisfying the low-use engine requirements,
  - f. Listing of portable alternative-fueled engines, if applicable, added to the fleet prior to January 1, 2009, pursuant to section 93116.3(d)(2)(B)2, and
  - g. Listing of portable diesel-fueled engine(s) equipped with Selective Catalytic Reduction (SCR) system(s),
- \* Fleet is defined in Title 17 CCR Section 93116.2(p) as one or more portable unit(s).
12. The fleet\* under control of this o/o is subject to and shall comply with the weighted DPM emission fleet averages\*\* expressed as grams per brake horsepower-hour (g/bhp-hr) of Title 17 CCR Section 93116.3(c) & (d) by the following dates:

Compliance Date Weighted DPM (g/bhp-hr)  
January 1, 2013 0.15

January 1, 2017 0.08  
January 1, 2020 0.02

\* Fleet is defined in Title 17 CCR Section 93116.2(p) as one or more portable unit(s).

\*\* The method used to calculate the Fleet Average is found in Title 13 CCR 93116.3(d).

\*\*\* The DPM for this ICE is 0.11 g/bhp-hr.

13. The o/o of this unit must submit a Statement of Compliance signed by the Responsible Official that the fleet standards are being achieved and a summary that identifies each portable engine in the fleet and the associated emission rate (g/bhp-hr) and other required information, see Title 13 CCR 93116.4(e)(2), (3), (4), (5), (6) and (7) for the following compliance statement submittal dates:

Weighted DPM Emission Fleet Average Date Submit by

January 1, 2013 March 1, 2013

January 1, 2017 March 1, 2017

January 1, 2020 March 1, 2020

14. The o/o of fleets that are exempted from the requirements of section 93116.4 pursuant to section 93116.4 (a), the Responsible Official shall certify that all portable diesel-fueled engines in the fleet satisfy the requirements of section 93116.4(a). See Title 13 CCR 93116.4(f) for details.

15. The o/o and/or Responsible Official of a fleet electing to use electrification in determining the fleet average shall submit the report required by title 13 CCR 93116.4(c)(3) by January 1, 2012.

16. This unit is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Portable Compression Ignition Engines (Title 13 CCR 93116). In the event of conflict between these conditions and the ATCM, the requirements of the ATCM shall govern.

17. Roadways, work areas, stockpiles, and materials being processed shall be kept wetted to control fugitive dust. Equipment to properly wet the material being processed shall be maintained in operable condition on-site and used as necessary to assure compliance.

18. The owner/operator shall comply with all applicable Rules and Regulations of the District. Applicable rules include, but are not necessarily limited to Rules 401, 402, and 403.

19. The o/o will periodically monitor opacity from fugitive emission points according to the following methodology:

a. The owner or operator must conduct a monthly 1-minute visible emissions test of each affected source in accordance with USEPA Method 22. The test must be conducted while the affected source is in operation.

b. If no visible emissions are observed in six consecutive monthly tests for any affected source, the owner or operator may decrease the frequency of testing from monthly to semi-annually for that affected source. If visible emissions are observed during any semi-annual test, the owner or operator must resume testing of that affected source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

c. If no visible emissions are observed during the semi-annual test for any affected source, the owner or operator may decrease the frequency of testing from semi-annually to annually for that affected source. If visible emissions are observed during any annual test, the owner or operator must resume testing of that affected source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

20. Water sprays shall be used at conveyor points of charge and discharge, crushers, feeders, and screens, to control fugitive emissions.

21. This equipment shall be operated in compliance with all applicable requirements of 40 CFR 60 Subpart OOO Standards of Performance for Nonmetallic Mineral Processing Plants. In the event of conflict between Permit conditions and the requirements of 40 CFR 60 Subpart OOO, the federal requirements shall govern.

22. This equipment shall not discharge into the atmosphere an exhaust stream that exhibits greater than ten percent opacity from all transfer points and fugitive emission points (40 CFR 60.672(b)).

23. The o/o shall conduct an initial compliance test per NSPS Subpart OOO requirements, including opacity (USEPA Method 9 or equivalent) testing as applicable for each fugitive emission point (transfer point or other) associated with this equipment.