



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

AUTHORITY TO CONSTRUCT

B015688

If construction is not completed by the expiration date of this permit, it may be renewed for one additional year upon payment of applicable fees. Any additional extension will require the written approval of the Air Pollution Control Officer. This Authority to Construct may serve as a temporary Permit to Operate provided the APCO is given prior notice of intent to operate and the Permit to Operate is not specifically denied.

EXPIRES LAST DAY OF: APRIL 2027

OWNER OF OPERATOR (Co. #2855)

West Coast Aggregate Supply, Inc.
119278 North Cadiz Road
Twentynine Palms, CA 92277

EQUIPMENT LOCATION (Fac. #408)

West Coast Aggregate Supply Inc. DBA Brubaker Mann
36011 Soap Mine Road
Barstow, CA 92311

Description:

PORTABLE CRUSHING AND SCREENING PLANT consisting of: An ASTEC Portable Horizontal Shaft Impactor (HSI) and Screening System, Model CS 5260, Serial No. CS5260-1324, having an 8' x 20' triple deck screen, capable of processing 400 tons per hour with a total power rating of 300 hp, utilizing high pressure water spray emissions control systems at transfer, crushing, and screening points. The associated equipment, as listed, is powered by line power. Despite being track mounted, portable equipment, this system is only permitted for stationary use and is required to operate within the boundaries of this Facility, on line power.

EQUIPMENT

Capacity	Equipment Description
300	52"x60" Horizontal Shaft Impactor
40	50"x20' Vibrating Feeder
20	54"x37' Delivery Conveyor (C1)
60	(3) 36"x70' Conveyor Belts (C2, C3, C6) (3 x 20hp)
60	(3) 36"x60' Conveyor Belts (C4, C5, C8) (3 x 20hp)
40	(2) 30"x80' Conveyor Belts (C9, C12) (2 x 20hp)
30	(2) 30"x40' Conveyor Belts (C7, C10) (2 x 15hp)

Fee Schedule: 1 (c)

Rating: 300 bhp

SIC: 1442

SCC: 30502510

Location/UTM(Km):
501E/3862N

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.

West Coast Aggregate Supply, Inc.
P.O. Box 790
Thermal, CA 92274-0790

By: **COPY**
Brad Poiriez
Executive Director

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 in a manner consistent with good air pollution control practice for minimizing emissions. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.

[District Rule 204]

2. This plant must be mounted on any chassis or skids and be movable by the application of a lifting or pulling force. In addition, there shall be no cable, chain, turnbuckle, bolt or other means (except electrical connections) by which any piece of equipment is attached or clamped to any anchor, slab, or structure, including bedrock that must be removed prior to the application of a lifting or pulling force for the purpose of transporting the unit.

[40 CFR 60.671: Definition of Portable Plants]

3. This is a portable aggregate plant by definition (see Condition 2) but is prohibited from being moved beyond the Facility boundaries without submission of a written request to the MDAQMD and receiving written approval from the MDAQMD.

[District Rule 204; District Rule 1320(E)(2)]

4. This portable crushing and screening plant must be powered by grid/line power. Any engine greater than or equal to 50 bhp requires a District permit. PERP registered engines are prohibited from powering this plant.

[District Rule 204]

5. A notification of the actual date of initial startup of this plant shall be submitted to the District, by email at Reporting@mdaqmd.ca.gov.

[40 CFR 60.676(i): Startup Notification]

6. An initial performance test is required pursuant to 40 CFR 60.11 and 40 CFR 60.675, since this Facility was constructed and modified after April 22, 2008, it must meet the opacity limits found below. This test must be conducted using USEPA Method 9 and meet all requirements listed below. For purposes of determining initial compliance, the minimum total time of observations shall be 30 minutes (five 6-minute averages) for the performance test or other set of observations (meaning those fugitive-type emission sources subject only to an opacity standard). Observation of up to three (3) emissions points within a 15-second interval is allowed if the requirements of 40 CFR 60.675(e)(2) are met. This test must be completed within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup.

a) Twelve (12) percent opacity from the crusher; and,

b) Seven (7) percent opacity from all transfer and fugitive emission points.

Equipment subject only to an opacity standard:

i) Horizontal Shaft Impactor;

ii) Conveyor Belts; and

iii) Screening Operations.

The owner/operator must submit a compliance test protocol at least thirty (30) days prior to the test date. The owner/operator must conduct all required compliance tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of thirty (30) days prior to the compliance test date so that an observer may be present. The final test results must be submitted to the District within forty-five (45) days of completion of the test. All test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov

NOTE: Since this Facility is controlled by water carryover from upstream water sprays that are inspected according to the requirements of Condition 10, this Facility is exempt from this 5-year repeat testing requirement.

COMPLIANCE DETERMINATION: PENDING

[40 CFR 60.672(b): Applicability; 40 CFR 60.11(b): Test conductance; 40 CFR 60.674(b)(1): Exemption from 5-year retest; 40 CFR 60, Subpart 000, Table 3: Opacity limits; 40 CFR 60, App. A-4: EPA Method 9]

7. The owner/operator will periodically monitor to confirm the presence or absence of opacity from fugitive emission points to demonstrate compliance with Condition 8, according to the following methodology:

a. The owner or operator must conduct a monthly 6-minute visible emissions test on 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; and,
- c. If no visible emissions are observed during two consecutive 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 Method 22 test, the owner or operator is required to:

- i. Immediately shut down operations, identify the cause of fugitive emissions, and expediently fix the issue;
- ii. Demonstrate compliance with Condition 8 by quantifying and documenting the emissions using USEPA Method 9;
- iii. Upon restarting production, the Facility is required to perform and document a subsequent Method 22 to verify compliance and demonstrate that the issue has been resolved; and,
- iv. Resume Method 22 testing of the affected unit on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

[District Rule 401(E); 40 CFR 60, App. A-4: EPA Method 9; 40 CFR 60, App. A-7: EPA Method 22]

8. This equipment shall not discharge into the atmosphere fugitive emissions exhibiting greater than the following:

- a) Twelve (12) percent opacity from the crusher; and,
- b) Seven (7) percent opacity from all transfer and fugitive emission points.

The fugitive emissions must be determined in accordance with Conditions 6 and 7:

[40 CFR 60.672(b): Applicability; 40 CFR 60, Subpart OOO, Table 3: Opacity limits]

9. The following requirements apply to this Permit Unit to prevent or minimize visible and fugitive emissions and nuisance:

- a. Visible emissions from this equipment shall not exceed an opacity equal to, or greater than, twenty percent (20%) for a period aggregating more than three (3) minutes in any one (1) hour, excluding uncombined water vapor;
- b. This equipment shall not discharge air contaminants or materials constituting a nuisance to any considerable number of persons or to the public;
- c. Roadways, work areas, and stockpiles shall be kept sufficiently moist to control fugitive dust, and no visible emissions shall extend beyond the property line of the emission source; and,
- d. Equipment to properly wet the material being processed shall be maintained in operable condition on-site and used as necessary to assure compliance with this condition.

Compliance with this condition shall be verified by Condition 7.

[District Rule 204; District Rule 401 - Visible Emissions; District Rule 402 - Nuisance; District Rule 403 - Fugitive Emissions; 40 CFR 60, Subpart OOO]

10. High pressure water spray system shall be installed and operated as necessary at the crusher and screen as specified within the application for this permit in order to control fugitive emissions. High pressure water spray system shall be defined as a water spray system which can be readily controlled, has an operating pressure of at least 150 psig, and produces an atomized spray to suppress airborne dust. Standard water sprays shall be installed at all other transfer points.

Through the use of water sprays, a minimum moisture content of two (2) percent shall be maintained throughout the rock plant. The owner/operator must perform monthly periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system. Corrective action must be initiated within 24 hours and corrective action must be completed as expediently as practical if the owner or operator finds that water is not flowing properly during an inspection of the water spray nozzles. The owner or operator must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken, in the logbook

[District Rule 204; District Rule 401; District Rule 403; District Rule 1303(A): Daily BACT; 40 CFR 60.674(b)]

11. The owner/operator shall perform quarterly moisture content testing on feed and product streams to confirm that the moisture content is at least two percent (2%). This testing should be done according to material moisture test ASTM C566-97 or alternative methods with prior District approval. Compliance with this limit shall be verified by Condition 13(e).

[District Rule 204]

12. This Permit Unit shall not:

- a. Operate more than 9 hours per calendar day;
- b. Operate more than 1,575 hours per calendar year;

c. Process more than 400 tons per hour; and,
d. Process more than 630,000 tons per calendar year.
Compliance with these limits shall be verified by Condition 13(a-d).
[District Rule 204; District Rule 1303: Daily BACT; District Rule 1320(E)(2)]

13. A facility log shall be maintained on-site for at least two (2) years and made available to District personnel upon request. This log shall contain, as a minimum:

- a. The tons of material produced per day (sum of all products from this Permit Unit);
 - b. Hours operated per day (hour meter reading at startup and shutdown each day);
 - c. Average hourly production rate in tons per hour (item a divided by item b);
 - d. The tons of material produced per calendar year (sum of all products from this Permit Unit);
 - e. Results of the quarterly moisture content tests as required by Condition 11;
 - f. Opacity results from fugitive emission points as required by Condition 7; and
 - g. Maintenance and break down records associated with all water spray systems in accordance with Condition 10.
- [District Rule 204]

14. This Facility shall not emit more than 12 tons per year of PM₁₀. Furthermore, Facility-wide emissions of Federal Hazardous Air Pollutants or HAP, as listed in Section 112(b) of the Federal Clean Air Act (CAA), shall not exceed 8 tons per year for any single HAP and 20 tons per year for any combination of HAPs.

[District Rule 204; District Rule 1201(S): Definition of a Major Source; District Rule 1303(B): Offsets]

15. 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 most stringent shall govern.

[District Rule 204; District Rule 401; District Rule 402; District Rule 403; 40 CFR 60, Subpart OOO]

16. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.

[District Rule 107(b); H&S Code 39607 & 44341-44342; 17 CCR 93400 et seq.; 40 CFR 51, Subpart A]