



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

PERMIT TO OPERATE

B013544

Operation under this permit must be conducted in compliance with all information included with the initial application, initial permit condition, and conditions contained herein. The equipment must be maintained and kept in good operating condition at all times. This Permit to Operate or copy must be posted on or within 8 meters of equipment. If a copy is posted, the original must be maintained on site, available for inspection at all times.

EXPIRES LAST DAY OF: SEPTEMBER 2024

OWNER OF OPERATOR (Co. #548)

Granite Construction Company
213 Columbia Way
Lancaster, CA 93535

EQUIPMENT LOCATION (Fac. #3728)

Granite Construction - Big Rock Facility
34809 155th Street East
Llano, CA 93544

Description:

QUARRY, CRUSHING & SCREENING AGGREGATES consisting of: Aggregate Production/Crushing rated at least 5000 tons per day, as follows:

EQUIPMENT

Capacity	Equipment Description
400	3D Screen Plant, 8'x20'
650	3D Screen Plant, 8'x20'
425	3D Screen Plant, 8'x20'
425	3D Screen Plant, 8'x20'
120	3D Screen Plant, 8'x20', with Sump Wash Plant - Water spray >6% wet product
150	Double Deck High Freq Screen w/Chassis, 6'x18' - Enclosure
150	TCI Double Deck High Freq Screen w/Chassis, 6'x18' - Enclosure
0	SS1 84.25542 Superior Industries
150	Pit Jaw Crusher, 700 t/h, 30"x42" water - High Pressure Foggers + enclosure
700	Jaw Crusher Underbelt, 700 t/h, 3'x24' - High Pressure Foggers + enclosure
300	#1 Cone Crusher, 300 t/h, 57" water - High Pressure Foggers + enclosure
360	#2 Cone Crusher, 360 t/h, 57" water - High Pressure Foggers + enclosure
700	Pit Dozer Feeder, 700 t/h

Fee Schedule: B (N/A)

Rating: 1 device

SIC: 1442

SCC: 30504034

Location/UTM(Km):
425E/3818N

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

Capacity	Equipment Description
700	Dozer Trap Underbelt, 700 t/h, 4'x36'
700	#1 Pit Jump Belt, 700 t/h, 3'x100'
700	#2 Pit Jump Belt, 700 t/h, 3'x85'
700	#3 Pit Jump Belt, 700 t/h, 3'x105'
700	#5 Pit Jump Belt, 700 t/h, 4'x100'
700	#6 Pit Jump Belt, 700 t/h, 4'x100'
700	#7 Pit Jump Belt, 700 t/h, 4'x100'
700	#8 Pit Jump Belt, 700 t/h, 4'x100'
700	JC1 Jaw Crusher Feed Belt, 700 t/h, 5'x 145'
700	1,200 ft - Pit, long belt, 700 t/h, 3' wide
700	Radial Stacker, 42"x100' - High Pressure Foggers + enclosure
300	Stackable Plus, 36"x60'
200	Cross Conveyor
200	Cross Conveyor
200	Under Screen (fines)
200	Radial Stacker 36"x80'
200	Stackable Plus, 36"x60'
300	Radial Stacking Conveyor, 36"x125'
700	Jump Conveyor, 42"x100'
700	Radial Stacker, 42"x150' - High Pressure Foggers + enclosure
700	Tunnel 10'x200' + Conveyor 36"x160'
700	Radial Stacker, 36"x100' - High Pressure Foggers + enclosure
300	Cross Conveyor
200	Cross Conveyor
200	Cross Conveyor (fines)
200	Jump Conveyor, 36"x40'
200	Radial Stacker, 36"x100'
200	Stackable Plus, 36"x60'
300	Radial Stacker, 36"x80'
700	Jump Conveyor, 42"x50' - High Pressure Foggers + enclosure
700	Radial Stacking Conveyor, 42"x60'
350	Slide-Stac System, 36"x70'
350	Slide-Stac System, 36"x70'
200	Cross Conveyor
100	Cross Conveyor
300	Cross Conveyor (fines),
100	Cross Conveyor
300	Jump Conveyor, 36"x40'
300	Jump Conveyor, 36"x100'
300	Radial Stacker, 36"x100'
300	Stackable Plus, 36"x60'
300	Radial Stacker, 36"x100'
150	Stackable Plus, 36"x60'
150	Stackable Plus, 36"x60'
100	Stackable Plus, 36"x60'
100	Stackable Plus, 36"x60'
300	Jump Conveyor, 36"x40'
300	Jump Conveyor, 36"x100'
300	Zipline Conveyor, 36"x200' - High Pressure Foggers + enclosure
300	Jump Conveyor, 36"x100'

Capacity	Equipment Description
100	Stackable Plus, 36"x60'
100	Jump Conveyor, 36"x100'
100	Radial Stacking Conveyor, 36"x80'
100	Zipline Conveyor, 36"x200' - High Pressure Foggers + enclosure
100	Radial Stacking Conveyor, 36"x80'
150	Jump Conveyor, 36"x100'
150	Jump Conveyor, 36"x100'
150	Zipline Conveyor, 35"x300' - High Pressure Foggers + enclosure
150	Radial Stacking Conveyor, 36"x150' - High Pressure Foggers + enclosure
150	Zipline Conveyor, 36"x300' - High Pressure Foggers + enclosure
150	Radial Stacking Conveyor, 36"x80'
300	Zipline Conveyor, 36"x260' - High Pressure Foggers + enclosure
300	Stackable Plus, 36"x60'
300	Jump Conveyor, 36"x100'
400	Zipline conveyor, 36"x200' - High Pressure Foggers + enclosure
400	Telestacker
400	Zipline Conveyor, 36"x200'
400	Slide-Stac System, 36"x70'
150	Cross Conveyor 30" x 12' - >6% wet product
150	Cross Conveyor 30" x 12' - >6% wet product
100	Radial Stacking Conveyor, 36"x80' - >6% wet product
150	Jump Conveyor, 36"x100' - >6% wet product
150	Radial Stacking Conveyor, 36"x125' - >6% wet product
150	Stackable Plus, 36"x60' - >6% wet product
150	Radial Stacking Conveyor, 36"x80' - >6% wet product
150	Jump Conveyor, 36"x100' - >6% wet product
150	Radial Stacking Conveyor, 36"x80' - >6% wet product
150	Jump Conveyor, 36"x40'
150	Superior Coarse Material Washer - >6% wet product
150	Superior Coarse Material Washer - >6% wet product
150	Rock Bin
150	Rock Bin
150	Rock Bin
150	Rock Bin
150	Rock Bin
150	Rock Bin
150	Rock Bin
150	Rock Bin
150	Rock Bin
150	Rock Bin
0	FE-1
0	FE-2
0	FE-3
700	Tunnel

CONDITIONS:

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

[District Rules 1302(C)(2)(a)]

2. Particulate Matter emissions from crushing operations, screens, conveyors, transfer points and storage piles shall be minimized when needed with water sprays or water sprays containing wetting agents. The emission control method identified in the equipment list above shall be used while equipment is in operation.

[District Rule 1303]

3. Annual throughput must not exceed 1,820,000 tons in any 12 consecutive month period.

[District Rule 1303]

4. Annual hours of operation must not exceed 2,600 hours in any 12 consecutive month period.

[District Rule 1303]

5. The owner/operator must perform monthly inspections of all wet suppression systems to verify that water is properly flowing through all discharge spray nozzles. The owner/operator must initiate corrective action within 24 hours and complete corrective action as expediently as practical if they find that water is not flowing properly, or, is not flowing at sufficient operating pressures, during inspections.

[40 CFR 60.674(b)]

6. High pressure water spray system shall be installed and operated as necessary at the receiving hopper, all conveyor points of charge and discharge, crushers, feeders, and screens 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.

[District Rule 1303]

7. A pressure gauge (psi) shall be installed and maintained in the high pressure water spray system. The pressure gauge shall be of appropriate scale and calibrated according to manufacturer specifications.

[District Rule 1303]

8. This equipment shall not discharge into the atmosphere an exhaust stream that exhibits an opacity during any one hour (ten 6-minute averages) greater than the following:

a) Seven (7) percent opacity from all transfer points, screens and fugitive emission points (40 CFR 60.672(b)), and/or

b) Fifteen (15) percent opacity from all crushers (40 CFR 60.672(c)).

[District Rule 1302; 40 CFR Part 60, Subpart OOO]

9. The owner/operator must conduct quarterly 6-minute visible emissions (VE) inspections using EPA Method 22 on each crusher, screen, and conveyor belt transfer point. The Method 22 test shall be conducted while the equipment is operating. The test is successful if visible emissions observed are within opacity limits described in Condition 6. If any VE are observed, the owner/operator must either cease operation and make all necessary corrections to the dust suppression systems until no further visible emissions are noted OR shall conduct a US EPA Method 9 to verify compliance with Condition 6. If compliance with Condition 6 cannot be verified, owner/operator must initiate corrective action within 24 hours to return equipment to compliance.

[District Rule 1302; Derived from 40 CFR Part 60, Subpart OOO]

10. A facility log must be maintained on-site for at least three (3) years and made available to District personnel upon request. This log shall contain, as a minimum:

(a) Total tons of product produced per month and per each consecutive twelve-month period;

(b) Periodic inspections of water spray system, including dates and any corrective actions taken, as required by Condition 3;

(c) Records of each performance test conducted on this equipment; and,

(d) Date and result of all required US EPA Method 22 VE observations (and US EPA Method 9 VE, as required), and any corrective actions taken.

(e) Results of Monthly Moisture Content Testing

[40 CFR 60.676; District Rules 204 and 1302]

11. The o/o shall perform monthly moisture content testing to confirm that the moisture content is at least 2.0%. The moisture content of the aggregate material shall be analyzed according to material moisture test ASTM C566-97. Aggregate shall be sampled prior to feed to hopper.

[District Rule 1303]

12. Aggregate charged, and aggregate material in process shall be kept sufficiently moist to prevent visible dust emissions or maintain a minimum of 2.0 percent moisture content.

[District Rule 1303]

13. This facility shall comply with District Rules 401, 402, and 403 which pertain to Visible Emissions, Nuisance, and Fugitive Dust.

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

[District Regulation IV]

15. This equipment must be operated in compliance with all applicable requirements of 40 CFR 60, Subpart OOO: Standards of Performance for Nonmetallic Mineral Processing Plants.

[District Rule 204]

16. The owner/operator must conduct an initial compliance test per 40 CFR 60, 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. The initial compliance test must be conducted within 60 days of achieving full production rate but in no case later than 180 days following initial startup. Compliance test shall be carried out in accordance with the test methods defined in 40 CFR 60.11, 40 CFR 60, Subpart OOO, Section 60.675, and the District Compliance Test Procedural Manual.

[40 CFR 60.672]

The owner/operator must submit a compliance/certification test protocol at least thirty (30) days prior to the compliance/certification test date. The owner/operator must conduct all required compliance/certification tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/certification test date so that an observer may be present. The final compliance/certification test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/certification test notifications, protocols, and results may be submitted electronically to reporting@avaqmd.ca.gov

17. This equipment is authorized to operate at various footprints within the boundary of this facility.

[District Rules 1302 and 1401]

18. 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; and 40 CFR 51, Subpart A]