



## 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

C014231

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: JUNE 2026**

#### OWNER OF OPERATOR (Co.#2694)

American Quartz Group, Inc.  
2957 Lenwood Road  
Barstow, CA 92311

#### EQUIPMENT LOCATION (Fac.#4116)

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Barstow, CA 92311

#### Description:

BAGHOUSE, SERVING PROCESS LINE 02 (PL02) consisting of: Custom made baghouse, with a maximum exit flow rate of 25,897 scfm. This equipment serves as the primary particulate matter emission control device for the associated cast polymer process line permitted under MDAQMD permit no. B014223.

#### CONDITIONS:

1. This equipment shall be installed, operated and maintained in strict accordance 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(s) for this permit.

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

2. This baghouse shall operate concurrently with the cast polymer process line permitted under MDAQMD permit no. B014223.

[District Rules 1303 and 1320]

3. In the event of a malfunction of this control equipment, the process line under MDAQMD permit no. B014223 must be shut down as soon as safely possible and shall not be restarted until all malfunctions have been corrected. Equipment breakdowns shall be reported to the District in accordance with District Rule 430.

[District Rules 430 and 1302]

Fee Schedule: 7 (h)

Rating: 1 device

SIC: 3281

SCC: 30510199

Location/UTM(Km): 491E/3857N

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

4.This baghouse shall have a maximum outlet grain loading of equal to or less than 0.00655 grains per dry standard cubic foot.

In order to demonstrate compliance with this emission limitation, the owner/operator (o/o) shall conduct an initial source test within ninety (90) days of startup of this operation. Subsequent performance testing, verifying continued compliance with this limitation, shall be conducted once in every twelve (12) month period thereafter. The testing shall be conducted at typical process loads and flow rates. The annual frequency may be reduced upon District approval of a written request, accompanied by justification of the request. Additionally, in the event of any physical or operational change made to this control system, the o/o shall notify the District within ten (10) days of making such change and the District may require a new performance test.

The owner/operator must provide a written performance test plan or protocol at least thirty days prior to the test date. The owner/operator must conduct all required compliance/performance 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/performance test date so that an observer may be present. The final compliance/performance test results must be submitted to the District not later than forty-five (45) days after the source test date. All compliance/performance test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov.

[District Rule 1303(B)]

5.This baghouse shall not discharge into the atmosphere an exhaust stream that exhibits greater than twenty (20) percent opacity for a period or periods aggregating more than three minutes in any one hour.

[District Rule 401]

6.The owner/operator shall install, calibrate (if applicable), and maintain a differential pressure gauge to monitor pressure drop across the baghouse. The monitoring device that requires calibration shall be calibrated at least annually in accordance with the manufacturer's specifications and shall be accurate to within a range of  $\pm 0.5$  inch water gauge pressure ( $\pm 125$  pascals) or a span of  $\pm 3$  percent. The monitoring device that only requires to be zeroed shall be zeroed at least once a week. Furthermore, the filter media differential pressure shall be maintained within the manufacturer's defined range. Bags or filters shall be replaced whenever the pressure drop across the filter media no longer meets the manufacturer recommended operating range.

[District Rule 1303(A)]

7.The o/o shall maintain on-site a minimum inventory of replacement bags or filters that assures compliance with these conditions.

[District Rule 1303(A)]

8.The owner/operator shall maintain a current operations log for this baghouse 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. Weekly records of pressure drop reading, including date and value;
- b. Date of bag/filter replacements;
- c. Annual inspection of integrity of baghouse including hatches and seals and bag and bag suspension system, date and result.
- d. Records of repairs/maintenance performed on this baghouse;
- e. Records of malfunctions, including dates and durations, a description of each malfunction, and the corrective action taken for each malfunction;
- f. Records of the calibration of all monitoring devices (if applicable); and,
- g. Results of all source testing, as required in condition 3, demonstrating compliance with this condition.

[District Rule 1303]

9.Planned maintenance on this control equipment shall only be performed during periods when particulate matter emission points of generation associated with the cast polymer process line permitted under MDAQMD permit no. B014223 being controlled by this baghouse are not in operation.

[District Rules 1303]

10.The entire facility shall not emit any of the Regulated Pollutants listed below in excess of the following limits in any consecutive 12 month period to remain below the USEPA's Synthetic Minor - 80% (SM-80) threshold:

- a. Oxides of Nitrogen (NOx): 20 tons per consecutive twelve (12) month period, measured as NO<sub>2</sub>;
- b. Oxides of Sulfur (SOx): 20 tons per consecutive twelve (12) month period;
- c. Volatile Organic Compounds (VOC): 20 tons per consecutive twelve (12) month period;
- d. Carbon Monoxide (CO): 80 tons per consecutive twelve (12) month period;

- e. Hydrogen Sulfide (H<sub>2</sub>S): 8 tons per consecutive twelve (12) month period;
- f. Lead (Pb): 0.48 tons per consecutive twelve (12) month period;
- g. Particulate Matter 10 microns and less (PM<sub>10</sub>): 14.5 tons per consecutive twelve (12) month period;
- h. Any single Hazardous Air Pollutant (HAP): 8 tons per consecutive twelve (12) month period; and,
- i. All HAPs combined: 20 tons per consecutive twelve (12) month period.

Compliance with these limits shall be demonstrated through the submission of a facility-wide Comprehensive Emission Inventory (CEI) for all emitted Regulated Air Pollutants. Exceedance of these emission limits may trigger offsets, BACT, National Emission Standards for Hazardous Air Pollutants (NESHAP), 40 CFR Part 63, Subpart WWWW, Reinforced Plastic Composites Production, and/or require submission of a Title V permit application.

[District Rules 1302 and 1303]

11.A facility wide Comprehensive Emission Inventory (CEI) Plan and Report 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]