



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

B014125

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: MARCH 2025

OWNER OF OPERATOR (Co.#2261)

Clark Pacific Precast, LLC
9367 Holly Rd.
Adelanto, CA 92301

EQUIPMENT LOCATION (Fac.#3628)

Clark Pacific Adelanto Precast Plant
9367 Holly Rd.
Adelanto, CA 92301

Description:

POLYURETHANE ("RUBBER") MOLD FABRICATION consisting of: a mold fabrication process consisting of a two part mixture; a base (mixture of polyols) and a hardener (mixture of isocyanates); mixing containers, applicators, and mold/tooling forms.

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 1302(C)(2)(a)]

2. The VOC content of any coating used, transfer method, and record keeping requirements shall be in compliance with the following District Rules: Rule 442-Usage of Solvents; Rule 1114-Wood Products Coating Operations; Rule-1115 Metal Parts & Products Coating Operations, and Rule 1162-Polyester Resin Operations, as applicable.

[District Rule 204]

3. The Formliner Polyurethane base and Formliner Silver Polyurethane hardener shall be handmixed at a mix ratio of 10:1, respectively. Compliance shall be demonstrated by keeping records of documentation that indicates amounts used for each mold pour. The documentation shall be demonstrated to the satisfaction of District, State, or Federal personal upon request.

[District Rule 1320]

Fee Schedule: 7 (i)

Rating: 1 device

SIC: 3272

SCC: 30501199

Location/UTM(Km):
459E/3826N

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.

Clark Pacific Precast, LLC
710 Riverpoint Court

West Sacramento, CA 95605

By: **COPY**

Brad Poiriez

Air Pollution Control Officer

4. The chemicals used to produce the polyurethane rubber mold material contain the isocyanate functional group and have acute toxicity properties, and as such, the owner/operator shall exercise caution in the handling of these materials, including but not limited to the following:

(a) The owner/operator shall keep the manufacturer's supplied containers sealed and air tight except during transfer to the mixing equipment and mold forms, and;

(b) The owner/operator shall ensure that the containers are resealed immediately after material transfer has occurred so as to minimized VOC and toxic/HAP emissions to the greatest extent possible.

[District Rule 1320]

5. The owner/operator shall keep Safety Data Sheets (SDS) on site for all materials used at this facility, including SDS for the materials used by this equipment. All SDS shall be made available to the District upon request.

[District Rule 1302]

6. The owner/operator shall maintain an operations log for this equipment 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/or Federal personnel, upon request. The log shall include, at a minimum, the information specified below:

a. Daily, monthly and annual amounts of base and hardener used, in gallons;

b. Total exposed surface area (cuft) of each mold during cure.

[District Rule 1302]

7. The total amount of combined materials used by this open process equipment is limited to 40,150 gallons per year and 110 gallons per day.

[District Rule 1320]

8. The total surface area of polyurethane rubber exposed by this open process equipment during cure time is limited to 350 square feet per day.

[District Rule 1320]

9. Reactions of polyols and diisocyanates result in a near 100% consumption of the reactants into forming polyurethane rubber; however, a small residual amount has been determined using the American Chemistry Council MDI/PMDI Emission Calculator. A further refinement of that analysis results with an emission factor of 1.81E-08 pounds of MDI (a VOC) per gallon of combined materials used. This is the emissions factor that the facility shall use to quantify their VOC and MDI emissions from this equipment, or until new information shows otherwise.

[District Rule 1320]

10. 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]