



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

S015044

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 2026

OWNER OF OPERATOR (Co. #3027)

Black Diamond Fabrication
641 Peralta Hills Drive
Anaheim, CA 92807

EQUIPMENT LOCATION (Fac. #4462)

Black Diamond Powder Coating
10720 E Avenue
Hesperia, CA 92345

Description:

SPRAY BOOTH AND CURING OVEN, POWDER COATING consisting of: Custom open face powder coating spray booth enclosure 10' L X 10' W X 8' H, with eight (8) cartridge exhaust filters each measuring 13.5" X 36" X 2" and six (6) second stage filters rated MERV 12 or better each measuring 20" X 20" X 6". Facility also includes a California Pulse, custom built curing oven measuring 8' H X 8' W X 20' L equipped with one propane fired burner, rated at 1 MMBtu/hr.

CONDITIONS:

1. This equipment shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer 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.

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

1. This equipment shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer 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.

[District Rule 204]

Fee Schedule: 7 (h)

Rating: 1 device

SIC: 3479

SCC: 40202501

Location/UTM(Km): 475E/381N

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.

Black Diamond Fabrication
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By: **COPY**
Brad Poiriez
Air Pollution Control Officer

2. Discharge filters shall be installed and maintained in a tightly mounted and dimensionally stable condition, free from excessive deposits or interference with airflow passages. The differential pressure across the discharge filters shall be maintained within the recommendations by the manufacturer's specifications.

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

2. The spray booth enclosure discharge filters shall be installed and maintained in a tightly mounted and dimensionally stable condition, free from excessive deposits or interference with airflow passages. The differential pressure across the discharge filters shall be maintained within the recommendations by the manufacturer's specifications.

[District Rule 204]

3. All powders, coatings, diluents, thinners and solvents used at this facility must comply with District Rules 442 and 1115 as applicable. These rules pertain to Usage of Solvents and Metal Parts & Products Coatings Operations, respectively.

[District Rule 442 - Usage of Solvents and District Rule 1115 - Metal Parts & Products Coating Operations]

3. All coatings, diluents, thinners and solvents shall comply with District Rules 442 and 1115 as applicable. These rules pertain to Usage of Solvents and Metal Parts & Products Coatings Operations, respectively.

[District Rule 442 - Usage of Solvents and District Rule 1115 - Metal Parts & Products Coating Operations]

4. Pursuant to Rule 1115, the owner/operator shall not apply any Coating to Metal Parts and Products unless Electrostatic Spray equipment is used, operated in accordance with the manufacturer's recommendations.

Any alternate Coating applications must be demonstrated to the satisfaction of the APCO pursuant to Rule 1115, and which written approval of the APCO has been obtained.

[District Rule 1115 - Metal Parts & Products Coating Operations]

4. Pursuant to Rule 1115, the owner/operator shall not apply any Coating to Metal Parts and Products unless Electrostatic Spray equipment is used, operated in accordance with the manufacturer's recommendations.

Any alternate Coating applications must be demonstrated to the satisfaction of the APCO pursuant to Rule 1115, and which written approval of the APCO has been obtained.

[District Rule 1115 - Metal Parts & Products Coating Operations]

5. This facility shall not discharge VOCs into the atmosphere from all VOC containing materials, Emissions Units, equipment or processes, in excess of 540 kilograms (1,190 pounds) per month.

[District Rule 442 - Usage of Solvents]

5. Based on the Potential to Emit from this facility, all discharged Volatile Organic Compounds (VOC) into the atmosphere from all VOC-containing materials, Emissions Units, equipment or processes, must not be in excess of 540 kilograms (1,190 pounds) per month.

[District Rule 442 - Usage of Solvents]

6. The total quantity of powder coating used by this facility shall not exceed 700 pounds per day. The operator shall keep adequate records to verify the monthly usage, date of operation, type and amount of powder used with this device. Such records shall be retained on site for a period of two (2) years and be made available to District personnel upon request.

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

6. The total quantity of powder coating used by this facility shall not exceed 700 pounds per day. The operator shall keep adequate records to verify the monthly usage, date of operation, type and amount of powder used with this device. Such records shall be retained on site for a period of five (5) years and be made available to District personnel upon request.

[District Rule 1303(A): basis - PM10 daily BACT]

7. Pursuant to 40 CFR 63 subpart HHHHHH, this facility shall not spray apply coatings to metal and plastic surfaces that contain compounds of chromium (Cr), lead (Pb), manganese (Mn), nickel (Ni), or cadmium (Cd). Contact the MDAQMD for conditions if this facility will use coatings containing these compounds and/or MeCl for additional permits requirements.

[40 CFR 63, Subpart HHHHHH]

7. Pursuant to 40 CFR 63 subpart HHHHHH, this facility shall not spray apply coatings to metal and plastic surfaces that contain compounds of chromium (Cr), lead (Pb), manganese (Mn), nickel (Ni), or cadmium (Cd). Contact the MDAQMD for conditions if this facility will use coatings containing these compounds and/or MeCl for additional permits requirements.

[40 CFR 63, Subpart HHHHHH]

8. Pursuant to 40 CFR 63 subpart HHHHHH, this facility shall not conduct any paint stripping operations on any substrate that use methylene chloride (MeCl)-containing paint stripping formulations. Contact the MDAQMD for conditions if this facility will use coatings containing these compounds and/or MeCl for additional permits requirements.

[40 CFR 63, Subpart HHHHHH]

8. Pursuant to 40 CFR 63 subpart HHHHHH, this facility shall not conduct any paint stripping operations on any substrate that use methylene chloride (MeCl)-containing paint stripping formulations. Contact the MDAQMD for conditions if this facility will use coatings containing these compounds and/or MeCl for additional permits requirements.

[40 CFR 63, Subpart HHHHHH]

9. Material Safety Data Sheets for all coatings and solvents used at this facility shall be kept current and made available to the District upon request.

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

9. Material Safety Data Sheets for all powders, coatings and solvents used at this facility shall be kept current and made available to the District upon request.

[District Rule 204]

10. The owner/operator shall maintain a daily operational log for this equipment, which, at a minimum, contains the information specified below. This log shall be maintained current and on-site for a minimum of five (5) years and shall be provided to District, State or Federal personnel upon request:

- a. Current list of coatings and solvents used for cleanup, surface preparation, or paint removal.
- b. Current coating Safety Data Sheets (SDS), or invoice providing material name, manufacturer, identification, material application, and VOC content in pounds per pound or pounds per gallon (or grams per liter).
- c. Quantity of each coating and solvent used, and its VOC content in pounds per pound or pounds per gallon (or grams per liter).
- d. Any procedures used to account for control device efficiencies and/or waste disposal.

Please note that burner emissions are not included.

[District Rule 1115 - Metal Parts & Products Coating Operations]

10. This curing oven equipment must only be fired on utility grade liquefied petroleum gas.

[District Rule 431]

11. The emissions from this facility shall be less than the following limits:

- a. 8 tons per year of any single HAP or 20 tons per year of any combination of HAPs on a 12 month calendar year basis.
- b. 12 tons of PM10 per year calculated on a rolling twelve month summary basis.
- c. 20 tons of NOx per year calculated on a rolling twelve month summary basis.
- d. 20 tons of VOC per year calculated on a rolling twelve month summary basis.
- e. 80 tons of CO per year calculated on a rolling twelve month summary basis.
- f. 20 tons of SOx per year calculated on a rolling twelve month summary basis.

Compliance with this limit shall be verified with an emissions inventory as requested by the District.

[District Rule 1303]

11. The owner/operator shall maintain a daily operational log for this equipment, which, at a minimum, contains the information specified below, as applicable. This log shall be maintained current and on-site for a minimum of five (5) years and shall be provided to District, State or Federal personnel upon request:

- a. Current list of powders, coatings, and solvents used for cleanup, surface preparation, or paint removal.
- b. Current coating Safety Data Sheets (SDS), or invoice providing material name, manufacturer, identification, material application, and VOC content (in pounds per pound, pounds per gallon, or grams per liter) for each powder, coating, and solvent used.
- c. Quantity of each powder, coating, and solvent used on a daily basis, and its VOC content in pounds or gallons. Annual (calendar year) totals must be kept as part of this log.

d. Any procedures used to account for control device efficiencies and/or waste disposal.
[District Rule 1115 - Metal Parts & Products Coating Operations]

12.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]

12.The emissions from this facility shall be less than the following limits:

- a. 8 tons per year of any single HAP or 20 tons per year of any combination of HAPs on a 12 month calendar year basis.
- b. 12 tons of PM10 per year calculated on a rolling twelve month summary basis.
- c. 20 tons of NOx per year calculated on a rolling twelve month summary basis.
- d. 20 tons of VOC per year calculated on a rolling twelve month summary basis.
- e. 80 tons of CO per year calculated on a rolling twelve month summary basis.
- f. 20 tons of SOx per year calculated on a rolling twelve month summary basis.

Compliance with this limit shall be verified with an emissions inventory as requested by the District.
[District Rule 1302: basis - Minor Source Designation]

13.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.; and 40 CFR 51, Subpart A]