



## 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

S013657

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: NOVEMBER 2024**

#### **OWNER OF OPERATOR (Co.#2570)**

Machfinish  
530 East Rancho Vista Blvd.  
Palmdale, CA 93550

#### **EQUIPMENT LOCATION (Fac.#3989)**

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530 Rancho Vista Blvd  
Palmdale, CA 93550

#### **Description:**

SPRAY BOOTH, OPEN FACE consisting of: Spray Systems Booth, Model No. I-1285, Serial No. L2254-B, 8' 2" W x 8' 3" H x 13' 0" L, (24) twenty-four 20" x 20" x 2" SPA2 Synthetic Paint Arrestor Media Filters or other filters with similar performance and efficiency, and (1) one 3 hp, 34" exhaust fan, rated at 11,520 CFM. Stack Height: 19' from ground level Elevation: 2,616'

#### **CONDITIONS:**

1. This aerospace spray booth and associated equipment shall only be operated and maintained in strict accord with manufacturer's/supplier's recommendations and/or sound engineering principles. Operation of this equipment shall be conducted in compliance with data and specifications submitted with the application under which this permit is issued unless otherwise noted below.
2. All coatings, diluents, thinners, solvents, application methods, and record keeping, shall comply with District Rules 442, 1124, 1171, 1303 and 1401 in their entirety. These rules pertain to Usage of Solvents, Aerospace Assembly And Component Manufacturing Operations, Solvent Cleaning Operations, New Source Review Requirements, and New Source Review for Toxic Air Contaminants, respectively.
3. 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 drop across the discharge filters shall be maintained within the recommendations by the manufacturer as described below:
  - a. tbd" to tbd" W.C.

Fee Schedule: A (N/A)

Rating: 1 device

SIC: 3452

SCC: 40200101

Location/UTM(Km):  
425E/3830N

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. All spray-applied coatings must be applied using one or more of the following technologies:
- a. High volume, low pressure (HVLP) spray gun
  - b. Electrostatic application
  - c. Airless spray gun
  - d. Air-assisted spray gun
  - e. An equivalent that is demonstrated by the spray gun manufacturer to achieve transfer efficiency comparable to one of these spray gun technologies listed, and has written approval from the District.

These spray applications do not apply to aerospace vehicles that involve the coating of components that normally require the use of an airbrush or an extension on the spray gun to properly reach limited access spaces or to the application of coatings that normally have a dried film thickness of less than 0.0013 centimeter (0.0005 inches).

[40 CFR 63, Subpart HHHHHH - NESHAP: Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources]

5. Non-spray applications may also be used to apply coatings including dip-coat, flow-coat, hand application methods, exempted hand-held aerosols, and touch-ups methods.

[District Rule 1124 - Aerospace Assembly And Component Manufacturing Operations]

6. Total VOC emissions from this equipment shall be less than 25 pounds per day. Additionally, VOC emissions from this facility shall be less than 19.9 tons per year.

[District Rule 1303 - New Source Review Requirements]

7. The owner/operator shall maintain a replacement inventory of exhaust filter media, with the efficiencies described above, on-site at all times to ensure compliance with these permit conditions and all applicable rules of District Regulation IV.

8. This spray booth shall not be used to spray apply coatings to metal and plastic surfaces that contain compounds of chromium (Cr), lead (Pb), manganese (Mn), nickel (Ni), or cadmium (Cd); nor conduct any paint stripping operations on any substrate that use methylene chloride (MeCl)-containing paint stripping formulations. Contact the AVAQMD if this spray booth will use the above toxic metal and/or MeCl for additional permits requirements.

[Title 40 CFR 63, Subpart HHHHHH - NESHAP for Hazardous Air Pollutants: Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources]? ??

9. An operations log shall be maintained for this facility, shall be kept current, on-site and retained for five (5) years, and made available upon federal, state, or District request. The log shall contain at least the following:

- a. Equipment by permitted number, or name of operation for unpermitted equipment, that uses material that contains VOC, on a daily basis.
- b. Application method, on a daily basis.
- c. Type of material and its use, on a daily basis.
- d. Specific mixing ratio, on a daily basis.
- e. Quantity of each coating, solvent used, and its VOC content, on a daily basis. (Note: Units must be consistent).
- f. Annual calendar year total of emitted HAPs recorded in tons.
- g. Copies of the Environmental Data Sheet and/or Material Safety Data Sheet (MSDS) for each coating, diluent, thinner, and solvent used.
- h. Purchase records (does not include products that are transferred from one facility to another).
- i. Certification of painter training, including the dates of initial training and refreshers.
- j. Documentation of the filter efficiency of any and all exhaust filter media.? [District Rule 1124 - Aerospace Assembly And Component Manufacturing Operations, District Rule 1401, New Source Review for Toxic Air Contaminants]

10. This facility shall not emit more than 7.9 tons (15,800 pounds) per year of a single federal Hazardous Air Pollutants (HAPs) HAP and/or 19.9 tons (39,800 pounds) per year of any combined federal HAPs. To ensure compliance, the owner/operator shall calculate and record the annual emissions of federal HAPs in tons per year on a calendar year basis (January 1 through December 31). The list of HAPs can be found in Section 112(b)(1) of the Federal Clean Air Act or at web site: <http://www.epa.gov/ttn/atw/188polls.html>

[District Rule 1401 - New Source Review for Toxic Air Contaminants]

11. This facility is subject to the requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP) known as a Maximum Achievable Control Technology (MACT) for emissions of Hazardous Air Pollutants (HAP) from Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources, Title 40 CFR 63 subpart HHHHHH (6Hs). In the event of conflict among

these conditions, District Rule and Regulations, and this MACT, the most stringent requirements shall govern.

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]