



## 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

S013658

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)**

Machfinish  
530 Rancho Vista Blvd  
Palmdale, CA 93550

#### **Description:**

SPRAY BOOTH, THREE STAGE FILTRATION, OPEN FACE consisting of: Spray Systems Booth, Model No. I-1285, Serial No. L2254-C, 8' 8" 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, (24) twenty-four 20" x 20" x 2" EPB Dual Ply Synthetic Paint Arrestor Media exhaust filters or other filters with similar performance and efficiency, (24) twenty-four 20" x 20" x 12" D 319N3F Synthetic Final Stage 5-Pocket Bag Filters or other filters with similar performance and efficiency and (1) one 7.5 hp, 24" 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:

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.

Machfinish  
530 East Rancho Vista Blvd.  
Palmdale , CA 93550

By: **COPY**  
**Brad Poiriez**  
Air Pollution Control Officer

a. tbd" to tbd" W.C.

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 facility must submit an initial notification pursuant to 40 CFR 63, Subpart HHHHHH no later than 180 days after initial startup.

In addition, the facility must submit, pursuant to 40 CFR 63, Subpart HHHHHH, an 'Annual Notification of Changes Report' in each calendar year in which information previously submitted has changed. The facility must keep copies of all notifications.

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

9. The owner/operator must ensure and certify that all new and existing personnel, including contract personnel, who spray apply surface coatings are trained in the proper spray application of surface coatings and the proper setup and maintenance of spray equipment. This training program must, at a minimum, consist of the following:

- a. A list of all current personnel by name and job description whom are required to be trained.
- b. Hands-on and classroom instruction that addresses, at a minimum, initial and refresher training in the following topics:
  1. Spray gun selection, set up, and operation, including measuring coating viscosity, selecting the proper fluid tip or nozzle, and achieving the proper spray pattern, air pressure and volume, and fluid delivery rate.
  2. Spray technique for different types of coatings to improve transfer efficiency and minimize coating usage and overspray, including maintaining the correct spray gun distance and angle to the part, using proper banding and over lap, and reducing lead and lag spraying at the beginning and end of each stroke.
  3. Routine spray booth and filter maintenance, including filter selection and installation.
  4. Environmental compliance with the requirements of 40 CFR 63, Subpart HHHHHH

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

10. The training program must also consist of a description of the methods used at the completion of initial or refresher training to demonstrate, document, and provide certification of successful completion of the required training. In addition, all personnel must be trained no later than 180 days after initial facility startup, or upon hiring.

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

11. Training and certification will be valid for a period not to exceed five (5) years after the date the training is completed, and all personnel must receive refresher training that meets the requirements of the training program and be re-certified every five (5) years. Employees who transfer within or externally to a position as a painter are subject to these training requirements.

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

12. 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.
- k. Any deviations to 40 CFR 63, Subpart HHHHHH, including the date and time, description of deviation and actions taken to obtain compliance.

[District Rule 1124 - Aerospace Assembly And Component Manufacturing Operations, District Rule 1401, New Source Review for Toxic Air Contaminants, and 40 CFR 63, Subpart HHHHHH - NESHAP: Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources]

13. This facility shall not conduct any "paint stripping operations" on any substrate that use methylene chloride (MeCl)-containing paint stripping formulations. (Pursuant to 40 CFR 63, Subpart HHHHHH) (Contact the District if this facility will use MeCl for additional permit requirements to maintain compliance.)

14. All paint spray gun cleaning must be done so that an atomized mist or spray of gun cleaning solvent and paint residue is not created outside of a container that collects used gun cleaning solvent. Spray gun cleaning may be done with, hand cleaning of parts of the disassembled gun in a container of solvent, by flushing solvent through the gun with out atomizing the solvent and paint residue, or by using a fully enclosed spray gun washer. A combination or non-atomizing methods may also be used.

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

15. 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]

16. 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]

17. 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.