



## 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

S012663

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: JANUARY 2025**

#### **OWNER OF OPERATOR (Co.#681)**

General Atomics - LSNC  
3550 General Atomics Court  
San Diego, CA 92121-1194

#### **EQUIPMENT LOCATION (Fac.#1812)**

G A Aeronautical Sys - Gray Butte  
25000 E Avenue R-8  
Palmdale, CA 93550

#### **Description:**

SPRAY BOOTH, AEROSPACE, METAL AND COMPOSITES consisting of: Semi-downdraft spray booth manufactured by Spray Booths Northwest, LLC, Model SL-SDD165016, 17' 6" W X 18'8" H X 50' 4" L, (1) 10 hp, 42 " diameter exhaust fan, and (1) manometer gauge. Booth equipped with 2 MMBtu/hr natural gas fired burner. Elevation: 3034'

#### **CONDITIONS:**

1. This aerospace, metal and composites spray booth and associated equipment shall only be operated and maintained in strict accord with manufacturer's/supplier's recommendations. 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.  
[AVAQMD Rule 204]

2. All coatings, diluents, thinners, solvents, application methods, and record keeping, shall comply with District Rules 442, 1107, 1124, 1303 and 1401 in their entirety. These rules pertain to Usage of Solvents, Coating Of Metal Parts And Products, Aerospace Assembly and Manufacturing, New Source Review Requirements, and New Source Review for Toxic Air Contaminants.

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. Differential pressure drops across the discharge filters shall be maintained with the recommendations by the manufacturer.[AVAQMD Rule 204]

4. All spray-applied coatings must be applied with the following technologies:

Fee Schedule: A (N/A)

Rating: 1 device

SIC: 3721

SCC: 40202499

Location/UTM(Km):  
437E/3824N

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.

General Atomics - LSNC  
ATTN: LSNC

San Diego, CA 92186-5608

By: **COPY**

**Brad Poiriez**

Air Pollution Control Officer

- a. High volume, low pressure (HVLP) spray gun;
  - b. Electrostatic application;
  - c. Airless spray gun;
  - d. Air-assisted spray gun; and/or,
  - 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.
- [District Rule 1124 - Aerospace Assembly and Component Manufacturing Operations]

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 facility shall be less than 25 pounds per day and less than 24.9 tons per year.

[BACT limiting condition, District Rule 1303 (A)(1)]

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

8. 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 Manufacturing, 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]

9. 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); nor conduct any paint stripping operations on any substrate that use methylene chloride (MeCl)-containing paint stripping formulations. Contact the AVAQMD if this facility 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]

10. 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 without 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]

11. This facility shall not emit more than 9.9 tons (19,800 pounds) per year of a single federal Hazardous Air Pollutants (HAPs) HAP and/or 24.9 tons (49,800 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>

[Rule 1401 - New Source Review For Toxic Air Contaminants]

12. 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.

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; and 40 CFR 51, Subpart A]