



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

S012177

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 2025

OWNER OF OPERATOR (Co. #681)

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

EQUIPMENT LOCATION (Fac. #3538)

G A Aeronautical Sys - Adelanto Rancho
9780 Rancho Road
Adelanto, CA 92301

Description:

SPRAY BOOTH consisting of: Downdraft spray booth manufactured by Sprayline Manufacturing Co., Model SL-SDD-601614, 16' W X 14' H X 60' L, 30 air intake filters and 42 exhaust filters; 20" X 20" X 2", (1) 10 hp, 42" diameter exhaust fan, (1) manometer gauge, and make-up air unit. Booth equipped with 2 MMBtu/hr natural gas fired burner. Associated equipment includes paint mixing table with 3 hp motor.

CONDITIONS:

1. This aerospace 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.

2. All coatings, diluents, thinners, solvents, application methods, and record keeping, shall comply with District Rules 442, 1115, 1118, 1303 and 1320 in their entirety. These rules pertain to Usage of Solvents, Aerospace Vehicle Parts and Products Coating 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. Differential pressure drops across the discharge filters shall be maintained with the recommendations by the manufacturer.

[District Rule 1303 - Requirements]

Fee Schedule: 7 (i)

Rating: 1 device

SIC: 3728

SCC: 40202499

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.

General Atomics - LSNC
ATTN: LSNC

San Diego, CA 92186-5608

By: **COPY**

Brad Poiriez

Air Pollution Control Officer

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

- 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 1118 - Aerospace Vehicle Parts and Products Coating Operations, District Rule 1115 - Metal Parts and Products Coating Operations]

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 1118 - Aerospace Vehicle Parts and Products Coating Operations, District Rule 1115 - Metal Parts and Products Coating Operations]

6.This equipment shall not emit more than 24.9 lb/day of VOC (includes emissions from coatings, solvents and natural gas fired booth heater).

7.This facility shall not emit more than the following:

- a. 9.9 tons per year of a single HAP and/or 24.9 tons per year of any combined HAPs;
- b. 24.9 tons per year of VOC.

[District Rule 1303 - New Source Review Requirements]

8.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.

9.The owner/operator shall maintain an 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. A daily basis a record of the volume, VOC content, and resulting VOC emissions of each VOC-containing material used. These records shall be summarized cumulatively on a monthly basis and for each calendar year.
- b. Monthly volume-weighted averaging for non-compliant primer or topcoat or maskant coatings pursuant to District Rule 1118, section (E)(4)(c).
- c. A current listing of all VOC-containing materials in use at this facility. This listing shall include:
 - (a) material name and manufacturer identification;
 - (b) application method;
 - (c) material type and specific use instructions;
 - (d) specific mixing ratio; (e) maximum VOC content as applied (including thinning solvents).
- d. Current coating manufacturer specification sheets, Material Safety Data Sheets (MSDS) or current air quality data sheets, which list the VOC content of each material in use at their facility, shall be available for review on site.
- e. Purchase records identifying the type or name and the volume of material purchased for each VOC-containing material. In lieu of purchase records, this facility can demonstrate compliance with this condition through inventory records that demonstrate that the quantity of VOC-containing materials received at this facility is equivalent to the quantity of VOC-containing materials that have been consumed and/or accounted for at this facility.
- f. The daily VOC emissions, calculated in pounds to verify compliance with condition 6.
- g. The annual VOC emissions, calculated on a calendar month basis and totaled for each twelve-month rolling average to verify compliance with condition 6.
- h. The annual HAP emissions, calculated on a calendar month basis and totaled for each twelve-month rolling average to verify compliance with condition 6.

[District Rule 1118 - Aerospace Vehicle Parts and Products Coating Operations, District Rule 1115 - Metal Parts and Products Coating Operations]

10.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 MDAQMD 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]

11.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]