



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

S013054

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: JULY 2026

OWNER OF OPERATOR (Co.#681)

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

EQUIPMENT LOCATION (Fac.#1367)

G A Aeronautical Sys - Adelanto Yucca
9779 Yucca Road
Adelanto, CA 92301

Description:

MACHINING/GRINDING/SANDING AND SPRAY BOOTH, AEROSPACE consisting of: Machining, grinding, sanding and other mechanical finishing operations on composite parts, in addition to application of aerospace coatings: Various grinding, sanding, drilling, and milling machining equipment. Operations controlled by cross-flow spray booth, manufactured by Spray Tech Junair, Model no. Mercury M1AHF142, Dimensions TBD, equipped with a quantity of 42 polyester fiber dual stage exhaust filters; 20" X 20" X 1", (1) 10 hp, 42" diameter exhaust fan, one (1) manometer gauge, and make-up air unit.

CONDITIONS:

1. This aerospace machining/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 which produce the minimum emissions of contaminants. 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.

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

2. All coatings, diluents, thinners, solvents, application methods, and record keeping, shall comply with District Rules 442, 1118, 1303 and 1320 in their entirety. These rules pertain to Usage of Solvents, Aerospace Assembly, Rework, and Component Manufacturing Operations, New Source Review Requirements, and New Source Review for Toxic Air Contaminants, respectively.

[District Rules 442, 1118, 1303 and 1320]

Fee Schedule: 7 (h)

Rating: 1 device

SIC: 3728

SCC: 40202409

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**
Eldon Heaston
Air Pollution Control Officer

3. This booth shall be equipped with a fully functioning pressure differential gauge to indicate, in inches of water, the static pressure differential across the exhaust filters. Exhaust filters shall be installed and maintained in a tightly mounted and dimensionally stable condition, free from excessive deposits or interference with airflow passages. In operation, the pressure differential shall be maintained within the manufacturer's defined range, in accordance with the manufacturer recommendations for this Permit Unit. The owner/operator shall maintain a replacement inventory of exhaust filter media on-site at all times to ensure compliance with these permit conditions. [District Rules 1302 and 1303]

4. Pursuant to Rule 1118, all Aerospace Material must be applied by use of one of the following methods:

- a. Electrostatic application;
- b. Flow/curtain coater application;
- c. Roll coater;
- d. Dip coater;
- e. High-Volume, Low-Pressure (HVLP) Spray;
- f. Electrodeposition;
- g. Cotton tipped swab application;
- h. Hand Application Methods, or
- i. Such other alternative application methods as are demonstrated, using District-approved procedures, to be capable of achieving a Transfer Efficiency at least equivalent to the High-Volume, Low-Pressure (HVLP) Spray application method. Such alternative application techniques shall be approved in writing by the District, prior to use.
- j. Approved air pollution control equipment, as defined in District Rule 1118, subsection (C)(5).
[District Rule 1118 - Aerospace Assembly, Rework and Component Manufacturing Operations]

5. Pursuant to Rule 1118, all spray guns must be cleaned by one or more of the following methods:

- a. Enclosed spray gun cleaning system that is kept closed when not in use;
- b. Unatomized discharge of cleaning solvent into a waste container that is kept closed when not in use;
- c. Disassembled spray gun that is cleaned in a vat and kept closed when not in use; or
- d. Atomized spray into a waste container that is fitted with a device designed to capture atomized cleaning solvent emissions.
[District Rule 1118 - Aerospace Assembly, Rework, and Component Manufacturing Operations]

6. 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 current listing of all VOC-containing materials in use at this Facility. This listing shall include:
 - (i) Material name and manufacturer identification;
 - (ii) Application method;
 - (iii) Material category and specific use instructions;
 - (iv) Specific mixing ratio; and
 - (v) Maximum VOC content as applied (including thinning solvents).
- b. Current Coating manufacturer specification sheets, Safety Data Sheets (SDS) or current air quality data sheets, which list the VOC content of each material in use at the facility, shall be available for review on site.
- c. Purchase records identifying the type or name and the volume of material purchased for each VOC-containing material.
- d. A daily basis 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, and shall include:
 - (i) The daily VOC emissions, calculated in pounds to verify compliance with condition 7.
 - (ii) The annual VOC emissions, calculated on a calendar month basis and totaled for each twelve-month rolling average to verify compliance with condition 8.
 - (iii) The annual HAP emissions, calculated on a calendar month basis and totaled for each twelve-month rolling average to verify compliance with condition 8.If the Facility uses, exclusively, Coatings formulations compliant with District Rule 1118, Section C, these records may be maintained on a monthly basis.
- e. Cleaning Solvents:
 - (i) For Aqueous and Semiaqueous Cleaning Solvents, maintain a list of materials used with corresponding water contents.
 - (ii) For vapor pressure compliant Hand-Wipe cleaning solvents, maintain a current list of cleaning solvents in use with their respective vapor pressures or, for blended solvents, VOC composite vapor pressure. All vapor pressure compliant Hand-Wipe cleaning solvent usage shall be recorded on a monthly basis.

(iii) For cleaning solvents with a vapor pressure greater than 45 mm Hg used in exempt Hand-Wipe Cleaning Operations, maintain a list of exempt Hand-Wipe Cleaning Operations. All exempt Hand-Wipe cleaning solvent usage shall be recorded on a monthly basis.
[District Rule 1118 - Aerospace Assembly, Rework and Component Manufacturing Operations]

7. The total VOC and PM10 emissions from this Permit Unit shall be less than 25 lbs/day. Emissions in excess of these limitations will initiate BACT review.
[District Rules 1303 and 1320]

8. 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); nor, 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.
[Title 40 CFR 63, Subpart HHHHHH - NESHAP for Hazardous Air Pollutants: Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources]

9. The entire facility shall not emit any of the Regulated Pollutants listed below in excess of the following limits in any consecutive 12 month period to remain below the USEPA's Synthetic Minor - 80% (SM-80) threshold:

- a. Oxides of Nitrogen (NOx): 20 tons per consecutive twelve (12) month period, measured as NO₂;
- b. Oxides of Sulfur (SO_x): 20 tons per consecutive twelve (12) month period;
- c. Volatile Organic Compounds (VOC): 20 tons per consecutive twelve (12) month period;
- d. Carbon Monoxide (CO): 80 tons per consecutive twelve (12) month period;
- e. Hydrogen Sulfide (H₂S): 8 tons per consecutive twelve (12) month period;
- f. Lead (Pb): 0.48 tons per consecutive twelve (12) month period;
- g. Particulate Matter 10 microns and less (PM₁₀): 14.5 tons per consecutive twelve (12) month period;
- h. Any single Hazardous Air Pollutant (HAP): 8 tons per consecutive twelve (12) month period; and,
- i. All HAPs combined: 20 tons per consecutive twelve (12) month period.

Compliance with these limits shall be demonstrated through the submission of a facility-wide Comprehensive Emission Inventory (CEI) for all emitted Regulated Air Pollutants. Exceedance of these emission limits may trigger offsets, BACT, National Emission Standards for Hazardous Air Pollutants (NESHAP), and/or require submission of a Title V permit application.
[District Rules 1302 and 1303]

10. 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]