



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

S012358

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: JULY 2025

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:

SPRAY BOOTH, POWDER COATING consisting of: Open face powder coating spray booth, Manufacturer Torit, Model Environmental Control Booth (ECB-1), Serial Number IG934087 with two 5 hp fans rated at 4500 cfm each. Booth dimensions are 12W X 20L X 8H, and exhausts into (2) integral Torit dust collectors. The dust collectors are equipped with a pulse jet automatic clean on demand system. There is no heater or curing oven associated with this powder coating equipment.

CONDITIONS:

1. This equipment shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 1302(C)(2)(a)]

1. This equipment shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 1302(C)(2)(a)]

2. When this powder coating booth is in operation, the associated dust collectors permitted under this system must be operated concurrently.
[District Rules 1303 and 1320]

Fee Schedule: 7 (h)

Rating: 1 device

SIC: 3728

SCC: 40200801

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

2. When this powder coating booth is in operation, the associated dust collectors permitted under this system must be operated concurrently.

[District Rules 1303 and 1320]

3. The owner/operator shall install, calibrate (if applicable), and maintain a differential pressure gauge to monitor pressure drop across the dust collection unit. The monitoring device that requires calibration shall be calibrated at least annually in accordance with the manufacturer's specifications. Furthermore, the filter media differential pressure shall be maintained within the manufacturer's defined range, not to exceed 3.5 inches of water column. Filters shall be replaced whenever the pressure drop across the filter media no longer meets the manufacturer recommended operating range. 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]

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[District Rules 1302 and 1303]

4. Pursuant to District Rule 1115, all Metal Parts and Products Coatings must be applied by use of one of the following methods:

- a. Electrostatic application;
- b. High-Volume, Low-Pressure (HVLP) Spray;
- c. Dip coat (including electrodeposition);
- d. Flow coat;
- e. Roller coat;
- f. Airless spray;
- g. Air-assisted airless spray;
- h. Hand Application Methods;
- i. Other coating 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; or
- j. Equipment as approved by the APCO, CARB and USEPA, provided that the Owner/Operator submits an application and demonstrates that the use of HVLP spray equipment would result in greater emissions than the proposed system Equipment. The approval shall be limited to only those coatings listed in the application plan.

[District Rule 1115 - Metal Parts & Products Coating Operations]

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[District Rule 1115 - Metal Parts & Products Coating Operations]

5.The total quantity of powder coatings used in this equipment shall not exceed 350 pounds in any one day.
[District Rule 1303]

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[District Rule 1303]

6.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 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 permit requirements.
[40 CFR 63, Subpart HHHHHH]

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[40 CFR 63, Subpart HHHHHH]

7.The owner/operator shall maintain a daily 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 (i.e. coating, catalyst, reducer, solvent);
 - (iv) Specific mixing ratio; and
 - (v) Maximum VOC content as applied.
 - b. Current Safety Data Sheets (SDS) or Technical Data Sheets (TDS), which list the VOC content of each material in use at the facility, shall be available for review on site.
 - c. A daily basis record of the volume, VOC content, and resulting VOC emissions of each VOC-containing material used and for the quantity of powder used in this equipment. These records shall be summarized cumulatively on a monthly basis and for each calendar year, and shall include:
 - (i) The daily quantity of powder coatings used, calculated in pounds to verify compliance with condition 5.
 - (ii) The daily VOC emissions, calculated in pounds.
 - (iii) The annual VOC emissions, calculated on a calendar month basis and totaled for each twelve-month rolling average to verify compliance with condition 8.
 - (iv) The annual HAP emissions, calculated on a calendar month basis and totaled for each twelve-month rolling average to verify compliance with condition 8.
- [District Rule 1115 - Metal Parts & Products Coating Operations]

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(iii) The annual VOC emissions, calculated on a calendar month basis and totaled for each twelve-month rolling average to verify compliance with condition 8.

(iv) The annual HAP emissions, calculated on a calendar month basis and totaled for each twelve-month rolling average to verify compliance with condition 8.

[District Rule 1115 - Metal Parts & Products Coating Operations]

8.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 (NO_x): 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]

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[District Rules 1302 and 1303]

9.A facility wide Comprehensive Emission Inventory (CEI) Plan and Report 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]

9.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; 17 CCR 93400 et seq.; and 40 CFR 51, Subpart A]