



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

C014332

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 DUST COLLECTION SYSTEM, AEROSPACE consisting of: System employed in the collection of Particulate Matter (PM) generated from cutting, machining, grinding, sanding and other mechanical finishing operations on composite and aluminum alloy parts. This PM collection system is composed of: One (1) Donaldson Torit model no. SB2000 downdraft bench, serial no. 10137948-L1-2, powered by a 3 hp motor. This downdraft bench shares common ducting to the dust collector described below, and is prohibited from operation without the associated dust collection unit; One (1) Donaldson Torit Downflo Oval dust collection unit, model no. DFO3-6, serial no. 10016515-1, powered by a 10 hp motor. Equipment dimensions of 45" x 137.4" x 62", equipped with a quantity of 6 Ultra-Web cellulose cartridge filters and one (1) Magnehelic differential pressure gauge. *Please note: This system is required to be permitted due to a Potential to Emit (PTE) Hazardous Air Pollutants.

CONDITIONS:

1. This equipment shall be installed, operated and maintained in strict accordance 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(s) for this permit.

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

2. When the downdraft bench permitted under this system is in operation, the dust collection system must be operated concurrently.

[District Rules 1303 and 1320]

Fee Schedule: 7 (h)

Rating: 1 device

SIC: 3728

SCC: 30999999

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 permit unit shall not operate for more than 4,680 hours in any consecutive 12 month period. Before this limitation can be increased, the facility is required to submit to the District an application to modify the permit, which may trigger BACT review and may necessitate a Health Risk Assessment (HRA). In addition, public notice and/or a commenting period may be required.

[District Rules 1302, 1303, and 1320]

4. This dust collection system shall not discharge into the atmosphere an exhaust stream that exhibits greater than twenty (20) percent opacity for a period or periods aggregating more than three minutes in any one hour.

[District Rule 401]

5. 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 and shall be accurate to within a range of ± 0.5 inch water gauge pressure (± 125 pascals) or a span of ± 3 percent. The monitoring device that only requires to be zeroed shall be zeroed at least once a week. Furthermore, the filter media differential pressure shall be maintained within the manufacturer's defined range. Filters shall be replaced whenever the pressure drop across the filter media no longer meets the manufacturer recommended operating range.

[District Rule 1303(A)]

6. The o/o shall maintain on-site a minimum inventory of replacement filters that assures compliance with these conditions.

[District Rule 1303(A)]

7. In the event of a malfunction of any portion of this control equipment, all machining operations must be shut down as soon as safely possible and shall not be restarted until all malfunctions have been corrected. Equipment breakdowns shall be reported to the District in accordance with District Rule 430.

[District Rules 430 and 1302]

8. The owner/operator shall maintain a current operations log for this equipment on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:

- a. Monthly operational logs, including total monthly hours of operation;
- b. Monthly records of pressure drop reading, including date and value;
- c. Date of bag/filter replacements;
- d. Annual inspection of integrity of dust collection unit, including hatches, seals and filters, date and result.
- e. Records of repairs/maintenance performed on any portion of this collection system, including both the downdraft bench and the dust collection unit;
- f. Records of malfunctions, including dates and durations, a description of each malfunction, and the corrective action taken for each malfunction; and,
- g. Records of the calibration of all monitoring devices (if applicable).

[District Rule 1303]

9. Planned maintenance on this control equipment shall only be performed during periods when particulate matter emission points of generation being controlled by this collection system are not in operation.

[District Rules 1303]

10. 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]

11. 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]