



**MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT**

14306 Park Avenue Victorville, CA92392-2310  
 760.245.1661 -- 800.635.4617 -- FAX760.245.2022

**PERMIT TO OPERATE**

T009802

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.#54)**

Ducommun AeroStructures  
 4001 El Mirage Road  
 Adelanto, CA92301

**EQUIPMENT LOCATION (Fac.#246)**

Ducommun AeroStructures  
 4001 El Mirage Road  
 Adelanto, CA92301

**Description:**

PROCESS TANKS, ALODINE CONVERSION COATING consisting of: Tanks A-3, A-4, and A-5 consisting of dip coating of aluminum parts in a system using Alodine 1600 & 1660, Alodine Toner 22, Nitric Acid and Ridoline 4355.

**EQUIPMENT**

Capacity	Equipment Description
28500	Tank A-4** - (29 ft L x 5.4 ft W x 22.5 ft H) -- Alkaline Cleaning with Ridoline up to 2 vol% (Permit not required not include in fee calculation)
28500	Tank A-3** - (29.5 ft L x 5.9 ft W x 24 ft H) -- Deoxidize with a nitric acid solution
28500	Tank A-5 -- (29.5 ft L x 5.0 ft W x 11.0 ft H) -- Alodine Conversion Coating with Alodine 1600 at 0.25 wt% as sodium dichromate; Alodine 1660 at 2 vol% & Alodine Toner 22 at 1.5 vol%
0	**Please note, contents of tanks A-3 and A-4 may be interchanged.

**CONDITIONS:**

1. This equipment shall be 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 for this permit.  
 [District Rule 204]

Fee Schedule: 5 (b)      Rating: 57000 gallons      SIC: 3479      SCC: 40301099      Location/UTM(Km): 447E/3829N

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.

Ducommun AeroStructures  
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 Adelanto, CA92301

By: **COPY**  
 Brad Poiriez  
 Air Pollution Control Officer

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

- (a) Date and amount of solutions add to each tank;
- (b) Length of time each tank is agitated after new solutions are added;
- (c) The maximum daily temperature of the solution in Tank A-5;
- (d) Date and time of all accidental releases of material to the atmosphere; and,
- (e) All maintenance and repairs made on this equipment.

[District Rule 204 and 40 CFR 70.6 (a)(3)(i)(B) - Periodic Monitoring]

3.The tank, Tank A-5, that contains the Alodine 1600, 1660 and Toner 22 shall not be heated to more than 140 deg. F.

[District Rules 1303 and 1320]

4.Tank A-5 should be equipped with temperature sensors that measure the temperature of the solution to within 5 deg. F.

[District Rules 1303 and 1320]

5.Tank A-5 shall be steam and/or electrically heated.

[District Rules 1303 and 1320]

6.The tanks in this line shall not be subjected to rectification. Tanks A-4 and A-5 shall not be subject to air sparging or other mixing methods which aerate the solution. The solution in Tank A-3 shall be mixed by air sparging not to exceed five minutes per day.

[District Rules 1303 and 1320]

7.This tank/process line shall not be used for chemical etching or milling.

[District Rules 1303 and 1320]

8.Emissions from this facility must not exceed the following limits. The owner/operator must demonstrate compliance with these facility-wide emissions limits by calculating and recording, in tons, on a calendar month basis; and, totaling each consecutive twelve-month period.

- (a) 15 tons of PM10
- (b) 25 tons of NOX
- (c) 25 tons of VOC

Emission calculations must be calculated using a District-approved method. The owner/operator shall maintain these calculations (monthly and consecutive twelve-month period totals), current and on-site (or at a central location) for a minimum of five (5) years, and must provide this data to District, State and/or Federal personnel, upon request.

[District Rule 1303 - basis: offsets]

9.The owner/operator must submit 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]