



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

B015629

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: JANUARY 2027

OWNER OF OPERATOR (Co. #3178)

Western Fabricators, Inc.
9823 E Avenue
Hesperia, CA 92345

EQUIPMENT LOCATION (Fac. #4649)

Western Fabricators, Inc.
9823 E Avenue
Hesperia, CA 92345

Description:

LASER CUTTING TABLE consisting of: Fully Enclosed Fiber Laser Cutting Machine, Manufactured by Mazak, Model No. Optiplex Nexus 3015, Serial No. 289106, Rated at 4kW, with dimensions TBD, vented to an integral Air Pollution Control Device. Integral Air Pollution Control Device consisting of: Dust Collector, cartridge type, Manufactured by RoboVent, Model No. MDC-4-1836-LP, Serial No. 27005, having four (4) cartridges and an effective filtration area of 2048 square feet, a flowrate of 4100 acfm, dimensions of 83" D x 30" W x 97" H, driven by a 7.5hp blower, using pulse-jet filter cleaning, yielding a removal efficiency of 99.9%.

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 204]

2. This equipment may not cut more than 26,280,000 linear inches per year, this equipment is not limited in terms of operational time on a daily or annual basis. A year is defined as any consecutive 12 month period.

[District Rule 1320; District Rule 1520]

Fee Schedule: 3 (a)

Rating: 5 kVA

SIC: 3499

SCC: 30900198

Location/UTM(Km):
476E/3809N

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.

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By: **COPY**
Brad Poiriez
Executive Director

3. This laser cutting table is permitted to cut ONLY the following metals:

a. Mild and Carbon Steels (AISI/SAE 1000 Series);

Cutting of other metals, including, but not limited to stainless steel, is strictly prohibited. The owner/operator must contact the MDAQMD prior to cutting any other type of metal with this equipment as changing the approved metal types requires the submission of a MDAQMD permit application and may require a Health Risk Assessment.

[District Rule 1302; District Rule 1320]

4. The owner/operator shall not use this laser cutting equipment unless the dust collector is operational and maintained pursuant to the manufacturer recommendations, to minimize fugitive emissions from the laser cutting process.

[District Rule 1302; District Rule 1320]

5. Visible emissions from this facility shall not exceed an opacity equal to, or greater than, twenty percent (20%) for a period aggregating more than three (3) minutes in any one (1) hour, excluding uncombined water vapor.

[District Rule 401]

6. The owner/operator shall store and dispose of solid material generated from proper operation and maintenance of the laser cutting equipment in closed, leak-tight containers that prevent the release of Fugitive Dust.

[District Rule 1320]

7. The owner/operator shall maintain an operations log for this Permit Unit, 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 Federal personnel upon request. The log shall include, at a minimum, the information specified below:

a. Date of cut;

b. Permit Number of laser cutter performing the cut;

c. SDS for all materials cut;

d. Total cut length (in whole inches) and metal cut; and,

e. Consecutive 12 month total of cut length (in whole inches), summed by metal cut on each permitted laser cutter.

[District Rule 1320; District Rule 1520]

8. This facility is prohibited from spray application of coatings to metal or plastic surfaces that contain compounds of chromium (Cr), lead (Pb), manganese (Mn), nickel (Ni), or cadmium (Cd); nor, conducting any paint stripping operations on any substrate that use methylene chloride (MeCl)-containing paint stripping formulations. Contact the MDAQMD if this facility will use coatings containing the above toxic metal(s) and/or MeCl for additional permitting requirements.

[40 CFR 63, Subpart HHHHHH; 40 CFR 63, Subpart XXXXXX]

9. This facility is prohibited from conducting dry abrasive blasting. Dry abrasive blasting is defined as cleaning, polishing, conditioning, removing or preparing a surface by propelling a stream of abrasive material with compressed air against the surface, pursuant to 40 CFR 63.11522. Hydroblasting, wet abrasive blasting, or other abrasive blasting operations which employ liquids to reduce emissions are not dry abrasive blasting. Any proposed use of dry abrasive blasting equipment will require the submission of an application to modify this permit, in addition to any new permit applications that may be required. In addition, preparation of a Health Risk Assessment (HRA), public notice, additional equipment restrictions, and/or a commenting period may be required.

[District Rule 1302; District Rule 1320; District Rule 1520; 40 CFR 63.11516(a)]

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