



## 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

C013965

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. #1889)

Arakelian Enterprises Inc.  
P.O. Box 91918  
City of Industry, CA 91715-1918

#### EQUIPMENT LOCATION (Fac. #3374)

Arakelian Enterprises, Inc. dba American Organics  
20055 Shay Road  
Victorville, CA 92394

#### **Description:**

BIOFILTER, COVERED AERATED STATIC PILE (CASP) FOR ODOR CONTROL consisting of: Biofilter cover material that contains a minimum of a 6" layer of pre-composted material laid upon prepared feedstock set into CASP Zones. CASP structure consists of two sections each divided into 8-zones and each powered by a 60 hp blower, duct and damper system. Each of the 16 composting zones measures approximately 30 feet wide by 80 feet long and 10 feet high. Each zone is further equipped with a series of 5-temperature probes connected to a computer that monitors and controls internal pile temperatures by regulating the air flow to each pile/zone through damper control. To ensure pathogens are destroyed, a minimum stabilized temperature of not less than 131 degrees Fahrenheit will be maintained for at least 72 continuous hours. Once this timeline is done, the Process to Further Remove Pathogens (PRFP) is complete. Compost feedstock consists of green-waste and food-waste with the food-waste being a maximum of 40% of the total. Maximum throughput is 700 tons per day as limited by their Land use Permit and pursuant to best Practices, Compost feedstock moisture content will be between 50% and 60% prior to placing into aeration zones. Facility elevation is 2723 feet above sea level.

#### **CONDITIONS:**

1. Operation of this equipment shall be conducted in compliance with all data and specifications submitted with the application under which this permit to operate is issued unless otherwise noted below, and this equipment shall be properly maintained and kept in good operating condition at all times.

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

2. The owner/operator shall operate and maintain this equipment to minimize odors. Upon receipt of an odor complaint, and if the odor is determined to be from this facility, the owner/operator shall respond by conducting an odor survey and implement corrective measures. Pursuant to Condition 4, an odor log shall be kept and maintained and made available to District, State, or Federal personal upon request.

Fee Schedule: 7 (h)

Rating: 1 device

SIC: 2875

SCC: 50100404

Location/UTM(Km): 473E/3956N

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.

Arakelian Enterprises Inc.  
Attn: Environmental Compliance Dept  
  
City of Industry, CA 91715-1918

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

[District Rule 402]

3.The biolayer media shall be in place over the material at all times of operation, and replaced at a frequency that is in accordance with manufacturer's specifications and/or upon odor breakthrough; defined as when compost related odors are detectable at the facility fence line.

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

4.The owner/operator shall maintain a log on-site which includes at a minimum:

- a. Records of any maintenance, malfunction, and repairs;
- b. Record of all odor complaints and corrective actions as necessary;
- c. Results of fence line odor surveys;
- d. Daily, Monthly, and Yearly totals of material processed by this equipment;
- e. Percentage, by weight, of Green Waste, and Food Waste, based on Monthly and Yearly totals;
- f. Records of the semi continuous temperature readings;
- g. pH results as required by condition 10;
- h. Monthly inspection of the aeration floor orifices, as required by condition 12, and
- i. Daily records of activities including but not limited to operating date, daily operating hours, weight, volume, and type of material processed.

This log shall be maintained on-site for a minimum of two years and provided to District, State, or Federal personnel upon request.

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

5.Only green waste (up to 100%, by weight) and food waste (up to 40%, by weight) shall be processed by this equipment.

[District Rule 1302]

6.Materials processed shall contain sufficient natural and/or added moisture to preclude violations of District rules 401, 402 and 403. Sufficient water and the equipment for adding it to the process and unpaved roads on the facility shall be maintained in operable condition at all times.

[District Rule 204]

7.During the retention time in the Covered Aerated Static Pile (CASP) compost facility, the temperatures shall be automatically measured and recorded semi continuously using temperature probes.

[District Rule 1302]

8.During the active phase of composting:

- a. The aeration fan shall run continuously to maintain a positive pressure in the aeration exhaust plenum.
- b. The motorized dampers will be controlled automatically to modulate the airflow from each CASP zone into the exhaust plenum.
- c. The flow from the exhaust plenum shall be discharged through the biolayer.

[District Rule 1302]

9.The biolayer shall be maintained per specifications of the designer including:

- a. At least 6 inch cover of post pathogen free material/PFRP (Process To Further Reduce Pathogens),
- b. The owner/operator shall be prepared to demonstrate compliance with these requirements upon request of the MDAQMD Inspector.

[District Rule 1302]

10.The operator shall inspect the aeration floor in each CASP zone on a monthly basis, and clear aeration orifices, as necessary, to ensure proper air distribution during the composting cycle. Records of this inspection shall be kept and made available to District Staff upon request.

[District Rule 1302]

11.Owner/operator shall not discharge into the atmosphere a visible emission with a shade as dark or darker than Ringelmann 1, or with an opacity of 20% or greater, for a period aggregating more than three minutes in any one hour.

[District Rule 204]

12.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]