



## 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

C010201

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: SEPTEMBER 2025

#### OWNER OF OPERATOR (Co. #1531)

Mars Petcare US Inc.  
2013 Ovation Parkway  
Franklin, TN 37067

#### EQUIPMENT LOCATION (Fac. #2600)

Mars Petcare  
13243 Nutro Way  
Victorville, CA 92392

#### Description:

REGENERATIVE THERMAL OXIDATION SYSTEM #1 consisting of: a Durr model RL continuous purge Regenerative Thermal Oxidizer (RTO) equipped with a rotary diverter valve, a 5 MMBtu/hr Maxon Kinedizer lo-Nox natural gas-fired burner, twelve heat recovery chambers and a 25,000 scfm discharge fan served by a 250 bhp motor. Each oxidizing chamber contains 15.6 square feet of monolith block packing, operates at 1550 degrees Fahrenheit and exhausts at 155 degrees Fahrenheit (the unit includes a heat exchanger designed for nominal 95% thermal efficiency). This unit treats the exhaust gas from Process Line #1 (dryer, product lift and differential diameter cylinder), and its discharge in turn vents to atmosphere through the Common Unit Chimney (via a common plenum).

#### 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]

2. This equipment shall only vent to atmosphere through the Common Unit Chimney (C009709).

[District Rule 1302]

3. The odorous exhaust from the Process Line #1 dryer, product lift and differential diameter cylinder shall only be vented to atmosphere through this device, and only when this device is properly operating. Proper operation includes maintaining a maximum temperature of at least 1550 degrees Fahrenheit within the active heat recovery chamber and a minimum RTO discharge temperature of 155 degrees Fahrenheit (both verified through temperature gauges in District-approved locations) while receiving odorous process gas.

Fee Schedule: 7 (h)

Rating: 1 device

SIC: 2047

SCC: 30200804

Location/UTM(Km): 474E/3817N

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.

Mars Petcare US Inc.  
Attention: Gregg Elmore

Victorville, CA 92392

By: **COPY**

**Brad Poiriez**

Air Pollution Control Officer

[District Rule 1302]

4. The o/o shall maintain a 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 two (2) years and shall be provided to District personnel on request:

- a. Heat recovery chamber max and min temperature in degrees F;
- b. RTO discharge max and min temperature in degrees F, and
- c. Date and summary of any maintenance or repair.

[District Rule 1302]

5. This equipment shall be installed and control odorous emissions from Process Line #1 dryer, product lift, and the differential diameter cylinder odorous exhaust, no later than December 31, 2008.

[District Rule 1302]

6. 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]