



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

B007903

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: MARCH 2027

OWNER OF OPERATOR (Co.#447)

3M Company
8981 State Highway 395
Hesperia, CA 92345

EQUIPMENT LOCATION (Fac.#1247)

3M Oak Hills
8981 State Highway 395
Hesperia, CA 92345

Description:

60" LINE (MANUFACTURING PROCESS LINE B) consisting of: Glenro, Inc. processing line equipped with two 20 foot ovens (one 2.0 MMBtu/hr Eclipse Model RM200 natural gas-fired burner in each). This equipment coats, cuts and heats fabrics and other materials with abrasives. Note that horsepower is converted to Btu/hr for rating purposes assuming 2550 Btu per horsepower.

EQUIPMENT

Capacity	Equipment Description
0.08	60" Padder (Nip rolls padder) (3 hp)
0.04	Three Feed Pumps (0.5 hp each)
40	Make Oven + Size Oven, 20' (No.s 100 and 101, 2 MMBtu/hr each)
0	Accumulator
0	Roll-up
0	60" Birch (Nip Rolls 27a) rated @3.0 hp, common to B003198
0	60" Grain Cabinet
7.5	DOC (Roll Coater No. 45) common to B003198

CONDITIONS:

Fee Schedule: 8 (d)

Rating: 4760000 Btu

SIC: 3291

SCC: 40290013

Location/UTM(Km):
473E/3808N

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.

3M Company
8981 State Highway 395
Hesperia, CA 92345

By: **COPY**
Eldon Heaston
Air Pollution Control Officer

1. This equipment shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles in a manner consistent with good air pollution control practice for minimizing emissions. 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]

2. The owner/operator (o/o) shall comply with all applicable rules and regulations of the District. Applicable rules include, but are not limited to, the following: 401, 402, 403, 442, 430, and 1168.

[District 204]

3. The total amount of volatile organic compounds (VOC) emitted from this facility shall be less than 24.9 tons in any consecutive twelve (12) month period, verified on a rolling twelve (12) month basis assuming a minimum capture efficiency of 95 percent and minimum destruction efficiency of 95 percent for those vapors directed to the catalytic oxidizer (C007904). If a higher capture efficiency and destruction efficiency is used for the catalytic oxidizer, it must be proven as achieved using the most recent and approved compliance test as required by District Permit C007904.

[District Regulations XII and XIII]

Additionally, the total amount of VOC emitted to atmosphere (excluding VOC vented to the control device permitted under C007904) from this facility shall be no more than 1,190 pounds per month, verified on a rolling twelve (12) month summary.

[District Rule 442]

4. This facility shall not emit more than 9.9 tons per year of a single HAP and 24.9 tons per year of all HAPs. To ensure compliance, the owner/operator shall calculate and record the annual emissions of Federal Hazardous Air Pollutants (HAPs) in tons per year (tpy) on a calendar year basis (January 1 through December 31). The list of HAPs can be found in Section 112(b)(1) of the Federal Clean Air Act or at web site: <https://www.epa.gov/haps/initial-list-hazardous-air-pollutants-modifications>

[District Regulations XII and XIII]

5. This equipment shall not process VOC containing materials unless:

(a) the Make and Size ovens are vented through the catalytic oxidizer with valid District Permit C007904 when running coating containing VOC greater than 5.0% by weight; or,

(b) the Make and Size ovens are vented through the electrostatic precipitator (ESP) with District Permit C004795 when running low VOC containing coatings. Low VOC coatings contain less than or equal to 5.0% VOC by weight. (Note: The Nip Roll 27a is not required to be vented through the control device)

Although not required, equipment running low VOC containing materials may also be vented to the catalytic oxidizer instead of the ESP.

6. The owner/operator (o/o) shall maintain current and on-site for a minimum of two (2) years an operational log. This log shall be provided to District personnel on request and shall include at a minimum the following information:

(a) Type and amount of each VOC containing material used each day;

(b) VOC content of each material in pounds per gallon or pounds per pound;

(c) Total VOC emissions in pounds per day;

(d) Total facility natural gas fuel consumption (on a monthly summary basis); and,

(e) Total VOC emissions per calendar month and per rolling twelve calendar month period.

[District Rules 442 and 1302]

7. The owner/operator (o/o) shall maintain current and on-site for a minimum of five (5) years a current list of Adhesives or Sealant Products in use. This list shall be provided to District personnel on request and shall include at a minimum the following information:

(a) The category of material as specified in District Rule 1168 (C)(1);

(b) Manufacturer name and identification of each Adhesive or Sealant or its components;

(c) Mix ratio of components; and

(d) VOC content, vapor pressure and/or initial boiling point, as applicable for each Adhesive or Sealant material.

[District Rule 1168(D)(1) and (3)]

8. When applying dry mineral product this equipment shall be vented to the dust collector (C012154) prior to venting either to the catalytic oxidizer (C007904) and/or the electrostatic precipitator (C004795).

9. This facility is subject to 40 CFR 60, Subpart VVV - Standards of Performance for Polymeric Coating of Supporting Substrates Facilities. This affected facility uses less than 95 Mg of VOC per 12-month period; therefore, pursuant to section 60.740(b), the facility is only subject to sections 60.744(b), 60.747(b), and 60.747(c):

(a) Pursuant to section 60.744(b), the owner/operator shall make semiannual estimates of the projected annual amount of VOC to be used for the manufacture of polymeric coated substrate at the affected coating operation in that year; and maintain records of actual VOC use.

(b) Pursuant to section 60.747(b), the owner/operator shall submit to the District notification of anticipated startup, a material flow chart indicating projected VOC use, and the actual VOC use records at the end of the initial year.

(c) Pursuant to section 60.747(c), the owner/operator shall:

(i) Record semiannual estimates of projected VOC use and actual 12-month VOC use;

(ii) Report the first semiannual estimate in which projected annual VOC use exceeds the applicable cutoff; and

(iii) Report the first 12-month period in which the actual VOC use exceeds the applicable cutoff.

The records required in condition 9(a), (b) and (c), above, must be retained for at least two (2) years pursuant to section 60.747(h).

The reports required by condition 9(b) and (c), above, must be submitted to the District, postmarked within 30 days of the end of the reporting period pursuant to section 60.747(g).

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, and 40 CFR 51, Subpart A]