



South Coast Air Quality Management District

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October 9, 2013

Mr. Gerardo C. Rios
Chief, Permits Office
U.S. EPA Region IX AIR 3
75 Hawthorne Street
San Francisco, CA 94105-3901

Dear Mr. Rios:

Subject: 3M Company - I.D. No. 800088
Title V/RECLAIM Permit Revision (A/N 555441)

3M Company (ID 800088) has proposed to revise their Title V/RECLAIM permit by replacing a dryer burner with a new low NOx burner. The changes are summarized below:

Equipment	Device No.	Application No.	Permit Type
Dryer No. 1	D168	555442	PC

3M Company produces granules for the roofing industry located at 18750 Minnesota Road, Corona, CA. The proposed permit revision is a “de minimis significant permit revision” to their Title V Permit. Attached for your review are the evaluation and proposed permit for this revision. With your expected receipt of the proposed Title V permit revision today, we note that the EPA 45-day review period begins on October 9, 2013.

If you have any questions or need additional information regarding the proposed permit revision, please contact Mr. Richard H. Hawrylew at (909) 396-2657.

Sincerely,

Mohan Balagopalan
Senior Manager
Chemical, Mechanical, and Ports Permitting

MB:rh
Enclosure

**FACILITY PERMIT TO OPERATE
3M COMPANY**

SECTION H: DEVICE ID INDEX

**The following sub-section provides an index
to the devices that make up the facility
description sorted by device ID.**

FACILITY PERMIT TO OPERATE 3M COMPANY

SECTION H: DEVICE ID INDEX

Device Index For Section H			
Device ID	Section H Page No.	Process	System
D168	1	1	7

FACILITY PERMIT TO OPERATE 3M COMPANY

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

FACILITY CONDITIONS

F9.1 Except for open abrasive blasting operations, the operator shall not discharge into the atmosphere from any single source of emissions whatsoever any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:

(a) As dark or darker in shade as that designated No.1 on the Ringelmann Chart, as published by the United States Bureau of Mines; or

(b) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in subparagraph (a) of this condition.

[RULE 401, 3-2-1984; RULE 401, 11-9-2001]

F52.1 This facility is subject to the applicable requirements of the following rules or regulation(s):

District Rule 1157

40 CFR 60 Subpart UUU

40 CFR 60 Subpart OOO

[RULE 1157, 9-8-2006; 40CFR 60 Subpart OOO, 11-1-1985; 40CFR 60 Subpart UUU, 4-8-1994]

SYSTEM CONDITIONS

S20.1 For the purposes of determining compliance with District Rule 405, solid particulate matter emissions shall be based on the combined emissions from all points of this system.

[RULE 405, 2-7-1986]

[Systems subject to this condition : Process 1, System 1, 2, 3, 5, 6, 7, 8, 11]

FACILITY PERMIT TO OPERATE 3M COMPANY

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

DEVICE CONDITIONS

C. Throughput or Operating Parameter Limits

C1.7 The operator shall limit the natural gas fuel usage to no more than 13.84 MM cubic feet per month.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D168]

D. Monitoring/Testing Requirements

D12.4 The operator shall install and maintain a(n) non-resettable totalizing fuel meter to accurately indicate the fuel usage of the dryer.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D168]

D29.2 The operator shall conduct source test(s) for the pollutant(s) identified below.

Pollutant(s) to be tested	Required Test Method(s)	Averaging Time	Test Location
NOX emissions	Approved District method	District-approved averaging time	Outlet
CO emissions	Approved District method	District-approved averaging time	Outlet

The test shall be conducted to demonstrate compliance with BACT and RECLAIM concentration limits.

The test(s) shall be conducted within 60 days after achieving maximum production rate, but no later than 120 days after initial start-up.

**FACILITY PERMIT TO OPERATE
3M COMPANY**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE
1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Devices subject to this condition : D168]

FACILITY PERMIT TO OPERATE 3M COMPANY

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

D323.1 The operator shall conduct an inspection for visible emissions from all stacks **and other** emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on an annual basis, at least, unless the equipment did not operate during the entire annual period. The routine annual inspection shall be conducted while the equipment is in operation and during daylight hours.

If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall verify and certify within 24 hours that the equipment causing the emission and any associated air pollution control equipment are operating normally according to their design and standard procedures and under the same conditions under which compliance was achieved in the past, and either:

- 1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or
- 2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions;
- 3). Date and time visible emission was abated; and
- 4). All visible emission observation records by operator or a certified smoke reader.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

FACILITY PERMIT TO OPERATE 3M COMPANY

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

[Devices subject to this condition : D168]

K. Record Keeping/Reporting

K40.2 The operator shall provide to the District a source test report in accordance with the following specifications:

Source test results shall be submitted to the District no later than 60 days after the source test was conducted.

Emission data shall be expressed in terms of concentration (ppmv) corrected to 3 percent oxygen (dry basis), mass rate (lbs/hr), and lbs/MM Cubic Feet. In addition, solid PM emissions, if required to be tested, shall also be reported in terms of grains per DSCF.

All exhaust flow rate shall be expressed in terms of dry standard cubic feet per minute (DSCFM) and dry actual cubic feet per minute (DACFM).

All moisture concentration shall be expressed in terms of percent corrected to 3 percent oxygen.

Source test results shall also include the operating conditions of the basic equipment under which the test was conducted.

Source test results shall be submitted to the District no later than 60 days after the source test was conducted.

Emission data shall be expressed in terms of concentration (ppmv), corrected to 3 percent oxygen, dry basis.

[**RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002**]

[Devices subject to this condition : D168]