

STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES

Matt Blunt, Governor • Doyle Childers, Director

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NOV 27 2007

Mr. Vincent D. Laquidara, PE
General Supervisor, EHS & Security
3M Nevada Plant
P.O. Box 327
Nevada, MO 64772-0327

Re: New Source Review Application – Project Number: 2007-10-073
Installation ID Number: 217-0004
Temporary Permit Number: **112007-007**
Expiration Date: October 23, 2009

Dear Mr. Laquidara:

The Missouri Department of Natural Resources' Air Pollution Control Program (APCP) has completed a review of your request dated October 11, 2007 to construct a temporary skid mounted boiler at the 3M Company manufacturing facility in Nevada, Missouri. The APCP is hereby granting your request to conduct this temporary operation at this location according to 10 CSR 10-6.060(3).

Permission to construct/operate this temporary plant is granted provided that:

- Operation of this installation at this site shall not go beyond October 23, 2009, without prior APCP approval. Should 3M Company wish to install a permanent system, a construction permit application and additional review by the APCP will be required.
- The sulfur content of the fuel to be used in the temporary boiler shall not exceed 0.5% by weight. 3M Company shall obtain the sulfur content of the fuel oil for each fuel oil delivery from the fuel vendors or conduct their own fuel analysis to evaluate the typical sulfur content weight percent of the fuel oil. A record of the sulfur content of the fuel oil and fuel consumption shall be kept and maintained for the duration of this temporary permit.
- 3M Company shall not operate the temporary boiler using fuel oil for more than 6250 hours in any consecutive 12-month period. A record of the number of hours of operation of the temporary boiler using fuel oil and natural gas shall be kept and maintained for the duration of this temporary permit.
- 3M Company shall report to the Air Pollution Control Program's Compliance/Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten (10) days after the end of the month during which the records of this temporary permit indicate that the temporary boiler exceeds these operational limits.



Mr. Vincent D. Laquidara, PE
Page Two

According to the information you provided, an explosion occurred at the 3M Nevada Plant that caused the Plant Number 2 Boiler to become inoperable. In order to bring the facility back to full operational status, 3M Company is requesting the installation of a temporary boiler. The temporary boiler is rated at 62 million BTU per hour and will burn both natural gas and fuel oil. The temporary boiler is expected to be operational for approximately 18 months.

Based on continuous operation (8760 hours per year), the potential emissions of SO_x are expected to exceed the 100 tons per year limit necessary to obtain a temporary permit. Therefore, this temporary permit is issued with operational requirements so that SO_x emissions do not exceed 100 tons per year. The potential emission of all other criteria air pollutants from this temporary boiler is expected to be below 100 tons per year.

You are still obligated to meet all applicable air pollution control rules, Department of Natural Resources rules, or any other applicable federal, state, or local agency regulations. Specifically, you should avoid violating 10 CSR 10-6.170, *Restriction of Particulate Matter to the Ambient Air Beyond the Premises of Origin*, 10 CSR 10-6.220, *Restriction of Emission of Visible Air Contaminants*, 10-3.030, *Open Burning Restriction*, and 10 CSR 10-6.400, *Restriction of Emission of Particulate Matter From Industrial Process*. In addition, please be aware that the New Source Performance Standards for Small Industrial-Commercial Steam Generating Units, 40 CFR Part 60, Subpart Dc may apply to this equipment.

A copy of this letter should be kept on-site and be made immediately available to Department of Natural Resources' personnel upon request. If you have any questions regarding this temporary permit, please contact Emily Wilbur, at the departments' Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102 or by phone at (573) 751-4817. Thank you for your time and cooperation.

Sincerely,

AIR POLLUTION CONTROL PROGRAM



for James L. Kavanaugh
Director

JLK:ewl

c: Southwest Regional Office
PAMS File 2007-10-073