



Jeremiah W. (Jay) Nixon, Governor • Mark N. Templeton, Director

## DEPARTMENT OF NATURAL RESOURCES

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JUN 11 2010

CERTIFIED MAIL: 700525700002 1583 0890  
RETURN RECEIPT REQUESTED

Mr. John Renz  
Plant Manager  
Saint-Gobain Containers, LLC  
1500 Saint-Gobain Drive  
Pevely, MO 63070

RE: New Source Review Temporary Permit Request - Project Number: 2009-12-040

Installation ID Number: 099-0068  
Temporary Permit Number: 062010-006  
Expiration Date: May 24, 2012

Dear Mr. Renz:

The Missouri Department of Natural Resources' Air Pollution Control Program has completed a review of your request to construct a new combustion technology at Saint-Gobain Containers LLC, located in Pevely, Missouri. The Air Pollution Control Program is hereby granting your request to conduct this temporary operation at this location in accordance with Missouri State Rule 10 CSR 10-6.060(3).

According to your application, Saint-Gobain is proposing to test a new combustion technology, in one of the Pevely Plant's glass production furnaces. Based on laboratory testing, the new combustion technology results in improved energy efficiency compared to the current oxy-fuel combustion design. Saint-Gobain has completed laboratory tests in small pilot kilns and would like to test the technology in one of the production glass furnaces at the facility. The facility intends to replace one or more existing burners in Furnace 20 with the new combustion technology.

According to 10 CSR 10-6.020(2)(T)1. and 10 CSR 10-6.060(3) Temporary Installations and Pilot Plants Permits, for an installation operating less than two years and emitting less than 100 tons per year of each pollutant, the installation may be exempted from any

requirements of 10 CSR 10-6.060 by the permitting authority. Saint-Gobain Containers LLC is a major source. To ensure this project should not undergo a prevention of significant deterioration review, the increase in individual pollutant actual emissions is being limited to less than a de minimis level increase over the baseline actual emissions, respectively. An emissions summary is provided in Table 1.

**Table 1: Emissions Summary (tons per year)**

Pollutant	Baseline Actual Emissions	De minimis Levels	Limited Future Actual Emissions
PM <sub>10</sub>	26.01	15.0	< 41.01
PM <sub>2.5</sub>	25.15	10.0	< 35.15
SO <sub>x</sub>	89.88	40.0	< 129.88
NO <sub>x</sub>	28.24	40.0	< 68.24
VOC	9.73	40.0	< 49.73
CO	0.34	100.0	< 100.34
Lead	0.08	0.6	< 0.68
Combined HAP	N/D	25.0	N/D

N/D = Not Determined

Baseline actual emissions were determined using the previous ten years' emissions inventory questionnaires. The highest reported emissions from the corresponding consecutive 24 month period were averaged, except for NO<sub>x</sub> and CO. The highest consecutive 24 month NO<sub>x</sub> and CO emissions were not used, as lower values were reported using stack test emission factors developed in recent years.

Saint-Gobain Containers LLC shall record the number of new combustion technology burners installed, natural gas usage, production rates, and actual emission rates under this temporary operation. Also, Saint-Gobain Containers LLC shall notify the Air Pollution Control Program in writing the date(s) of installation and removal of the new combustion technology burners.

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 10-6.045 *Open Burning Requirements*, 10 CSR 10-5.160 *Control of Odors in the Ambient Air*, 10 CSR 10-6.170 *Restriction of Particulate Matter to the Ambient Air Beyond the Premises of Origin*, and

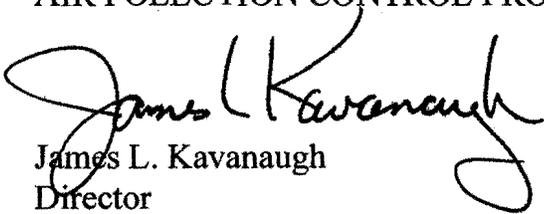
Mr. John Renz  
Page Three

*10 CSR 10-6.400 Restriction of Emission of Particulate Matter From Industrial Processes.*

A copy of this letter should be kept with the unit and be made available to Department of Natural Resources' personnel upon verbal request. If you have any questions regarding this determination, please do not hesitate to contact David Little with the department's Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102 or by telephone at (573) 751-4817. Thank you for your time and attention to this matter.

Sincerely,

AIR POLLUTION CONTROL PROGRAM



James L. Kavanaugh  
Director

JLK:dll

c: PAMS File: 2009-12-040  
St. Louis Regional Office

EU #	Description	Year	Throughput (tons)	PM10	PM2.5	Sox	Nox	VOC	CO	Lead	NH3
EU-02	Glass Furnace 20	2009		N/D	N/D	N/D	N/D	N/D	N/D	N/D	N/D
		2008		25.4	24.34	87.7	28.97	9.5	0.33	0.08	0.53
		2007		25.37	23.09	87.58	27.5	9.48	0.33	0.07	N/D
		2006		25.92	23.77	89.5	28.1	9.69	0.34	0.08	N/D
		2005		26.14	13.07	90.25	78.09	9.77	9.77	0.08	N/D
		2004		25.85	25.85	88.57	76.6	9.57	9.57	N/D	N/D
		2003		25.51	24.44	87.41	75.6	9.45	9.45	N/D	N/D
		2002		26.19	N/D	89.73	77.6	9.7	9.7	N/D	N/D
		2001		25.83	N/D	88.5	76.54	9.57	9.57	N/D	N/D
		2000									

baseline	26.01	25.15	89.88	28.24	9.73	0.34	0.08
deminimis project increase	15.0	10.0	40.0	40.0	40.0	100.0	0.6
future actuals limit	41.01	35.15	129.88	68.24	49.73	100.34	0.68