OhioEPA
State of Ohio Environmental Protection Agency
P.O. Box 1049, 1800 WaterMark Dr.
Columbus, Ohio 43266-0149

Richard F. Celeste
Governor

November 21, 1990 CERTIFIED MAIL

Re: Modification to Permit to Install No. 04-583
Lucas County

Manville Sales Corp., Plant 1
P.O. Box 517
Toledo, OH 43693

Attention: William C. Smith

Enclosed please find a modification to the Ohio EPA Permit to Install referenced above which will modify the terms and conditions.

You are hereby notified that this action of the Director is final and may be appealed to the Environmental Board of Review pursuant to Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. It must be filed with the Environmental Board of Review within thirty (30) days after notice of the Director's action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency and the Environmental Law Division of the Office of the Attorney General within three (3) days of filing with the Board. An appeal may be filed with the Environmental Board of Review at the following address: Environmental Board of Review, 236 East Town Street, Room 300, Columbus, OH 43215.

Very truly yours,

Thomas G. Rigo

Thomas G. Rigo, Manager
Field Operations and Permit Section
Division of Air Pollution Control

Enclosure

cc: US EPA
Toledo Environmental Service Division

Issuance Date: November 21, 1990

Effective Date: November 21, 1990

OHIO ENVIRONMENTAL PROTECTION AGENCY

MODIFICATION TO PERMIT TO INSTALL

Name of Applicant: Manville Sales Corp., Plant 1
Address: 6050 River Rd
City: Monclova Twp, OH
Telephone: (419) 878-8111

The Ohio EPA has received a request for a modification for the Ohio EPA Permit to Install referenced above.

The Permit to Install issued to Manville Sales Corp., Plant 1 (PTI No. 04-583) is hereby modified in the following manner:

Terms and Conditions on Page 4 of Permit to Install issued May 10, 1990.

The reason for the modification is:

The equipment that was originally applied for B015 has been changed during the final planning stages, by increasing the heat input to 3 MMBTU/HR.

The above named entity is hereby granted a modification to the permit to install described above pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this modification does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described source(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans included in the application, the above described source(s) of pollutants will be granted the necessary operating permits.

Ohio Environmental Protection Agency

Richard L. Shank

Director

Ohio EPA Source Number	Source Identification/ Description	BAT Determination	Applicable Federal and OAC Rules	Permit Allowable Mass Emissions and/ or Control & Usage Requirements
P001	Glass Furnace	Dry Scrubber with 80% Sulfur Dioxide Removal 60% Fluorides Removal; Bag house 99% Efficient	3745-31-05	3.00 lbs Particulate per hour; 18.59 lbs Sulfur Dioxide per hour; 7.48 lbs Fluorides per hour; 20.33 lbs Nitrogen Oxides per hour; 3.13 lbs Carbon Monoxide per hour; 0.11 lbs VOC per hour
F001	Storage Silos	Bag house 98% Efficient	3745-31-05	Raw Material Silos-0.74 lb Part. per hour; Reagent Silos 0.051 lb Part. per hour
P028	Wet Indirect Chop Process Line	Bag house at Dryer and Hood Vents 98% Efficient	3745-31-05	Dryer-0.002 Grains per DSCF; Hood-0.02 Grains per DSCF; 8 ppm Toluene
B015	**3.0 mm BTU/HR** Gas Boiler	Natural Gas as Fuel; Operation According to Manufacturer's Specifications	3745-31-05	N/A

SUMMARY
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

Pollutant	Tons/Year	Net Increase Tons/Year
Particulate	**24.39**	**- 4.78**
Sulfur Dioxide	**81.43**	**- 163.52**
Fluorides	32.76	- 13.34
Nitrogen Oxide	**90.85**	**15.84**
Carbon Monoxide	5.93	**5.93**
Volatile Organic Compounds*	1.42	1.42
Toluene	1.31	1.31

* Volatile Organic Compounds emissions include Toluene emissions.