

DEC#RU95-0193

#AOP-98-015a

Operating Permit Expiration Date: October 26, 2004

State of Vermont  
Agency of Natural Resources  
Department of Environmental Conservation



Air Pollution Control Division  
Waterbury, Vermont

**AMENDED AIR POLLUTION CONTROL PERMIT**  
**TO**  
**CONSTRUCT AND OPERATE**

Original Permit Issued: November 16, 1998  
This Amendment Issued: October 26, 1999

Owner/Operator: OMYA, Inc.  
Vermont Marble Power Division of OMYA, Inc.  
61 Main Street  
Proctor, Vermont 05765

Source: East Plant  
Verpol Plant  
Cogeneration Plant  
Florence Road  
Florence, Vermont

## **FINDINGS OF FACT**

### (A) FACILITY DESCRIPTION

OMYA, Incorporated (hereinafter "OMYA, Inc." and also referred to herein as "Owner/Operator"), a subsidiary of Pluess-Stauber Industries, Inc., owns and operates the East Plant and Verpol Plant which are involved in the production of finely ground calcium carbonate materials. Various non-metallic mineral processing operations are employed in the production of the ground calcium carbonate materials. Additionally, located adjacent to the Verpol Plant is the Cogeneration Plant operated by Vermont Marble Power Division of OMYA, Inc. (formerly known as Vermont Marble Company). The Cogeneration Plant consists of two combustion turbines utilized for the generation of electrical power. Exhaust heat from the combustion turbines is used in the production of dried calcium carbonate materials at the Verpol Plant. The East Plant, Verpol Plant, and Cogeneration Plant are located in the town of Pittsford, Vermont.

OMYA, Inc. proposes to construct several modifications to its Verpol Plant. These modifications include:

- (1) Construct new steel product silos;
- (2) Replace the existing bulk bagging system with new bulk baggers served by new bulk bagger product silos;
- (3) Add a new pneumatic conveyor to supplement existing systems for delivering finished product from silos to the new bulk bagger silos;
- (4) Add a new vacuum system for cleanup of spilled dry product;
- (5) Vent existing fabric filters serving 50-lb bag packaging machines (known as "rotopackers") to the ambient air;
- (6) Replace the existing Spray Dryer #2 burner with a larger burner to allow an increase in production through the dryer;
- (8) Continue the use of the East Plant after normal startup of Flash Dryer #3 at the Verpol Plant; and

Other noteworthy changes planned for the future, include: a conversion of existing Deagglomerators A and B to Surface Treaters A and C; a reduction in allowable sulfur dioxide ("SO<sub>2</sub>") emission rates from the flash dryers at the East Plant, and the elimination of some existing equipment at the Verpol Plant.

### (B) FACILITY CLASSIFICATION

The processing of calcium carbonate materials at OMYA's facilities is classified as a source of air contaminants under §§5-401(5) and (12) of the *Vermont Air Pollution Control Regulations* ("Regulations"). The Cogeneration Plant is classified as a source of air contaminants under §5-401(3) of the *Regulations*. In addition, §5-101 of the *Regulations* defines a "stationary source" as any structures, equipment, installations, or operations, or combination thereof, which emit or may emit any air contaminant, which is located on one or more contiguous or adjacent properties and which is owned or operated under common control. Based upon this definition, all of the equipment, operations, and structures at East Plant, Verpol Plant, and Cogeneration Plant are grouped together as one stationary air contaminant source (the three plants collectively are referred to herein as "Facility").

(C) PRIOR APPROVALS

The Agency of Natural Resources, Department of Environmental Conservation, Air Pollution Control Division (hereinafter "Agency") granted approval for the modification and operation of the Verpol Plant on March 7, 1986. This approval was granted pursuant to the requirements of Title 10 *Vermont Statutes Annotated* ("V.S.A.") §556 and §5-501 of the *Regulations*, and allowed the installation and operation of Surface Treater B. Since this date, the Agency has issued several amendments to its approval which are summarized below.

On January 14, 1987, the Agency reopened the existing Air Pollution Control Permit to impose restrictions on the production rate through Surface Treater B, Spray Dryer #1, Deagglomerator A, and the Bagging Station based upon the results of compliance emission testing.

The Air Pollution Control Permit was amended on March 8, 1988, in order to allow for the modification of Ball Mill A, reactivation of a cone crusher, the Roller Mill Feed Silo, Roller Mills A and B, and the installation and operation of a new pneumatic product conveying system.

On July 27, 1990, the Agency approved the modification of OMYA's operations to include a second spray dryer (Spray Dryer #2), Deagglomerator C, associated pneumatic product conveying equipment, two (2) Allison Model 501-KB5 combustion turbines ("CTs"), two DDC Model 4-53 turbine starting engines, and a backup diesel generator. This Air Pollution Control Permit was the first document which included the three plants operated by OMYA, Inc. as one stationary source.

The Agency granted a waiver, on July 18, 1991, from state imposed continuous emission monitoring system ("CEMS") requirements for NO<sub>x</sub>, CO, and Opacity originally contained in the Air Pollution Control Permit issued on July 27, 1990.

Agency approval was granted for the following minor modifications at the East Plant on July 12, 1993: (1) addition of a dust collector on Silo #1 and extension of the pneumatic conveying system feeding Silos #3 and #4 to also service Silos #1 and #2; and (2) provide the ability to convey product from the Roller Mill to either Bins A through D or the 40 Mesh Feed Silo.

On March 29, 1996, the Agency approved an increase in the permitted level of distillate fuel oil usage at the East Plant (increase from 445,000 gallons annually to 600,000 gallons). As part of its application, OMYA, Inc. also requested that several pieces of process equipment at the Verpol Plant be eliminated from the Air Pollution Control Permit, because the equipment had been deactivated since July 1994. The list of deactivated process equipment included: Cone Crusher, Roller Mill Feed Silo, Roller Mills A and B, and Ball Mill A.

On September 13, 1996, the Agency granted approval for the installation and operation of two new flash dryer systems at the Verpol Plant.

On December 2, 1997, the Agency approved the installation of a replacement boiler at the Verpol Plant, transferred approved fuel use for the Facility (i.e., 480,000 gallons per year)

from the flash dryers to the boilers at the Verpol Plant, eliminated the production rate limitations on Spray Dryer #1 and Surface Treater B (based upon emission testing results at the higher production rates), and increased the allowable particulate matter emission rate from Spray Dryer #1.

On November 16, 1998, the Agency issued the first operating permit for the Facility in conjunction with its approval for the installation of a third flash dryer system and associated equipment at the Verpol Plant.

(D) PROPOSED PROJECT AND PERMIT APPLICABILITY

As noted in Findings of Fact (B) above, the East Plant, Verpol Plant, and Cogeneration Plant are classified as a source of air contaminants under §5-401 of the *Regulations*. Pursuant to 10 V.S.A. §556 and Subchapter V of the *Regulations*, OMYA, Inc. must apply for and obtain an Air Pollution Control Permit to Construct ("Permit to Construct") before commencing the construction, installation, operation or modification of the source. Additionally, based upon its existing Air Pollution Control Permit, allowable emissions of all air contaminants from OMYA's Facility are greater than ten (10) tons per year ("tpy"). Therefore, pursuant to §§5-1002, 5-1003, and 5-1005 of the *Regulations*, OMYA, Inc. is classified as a "Title V Subject Source" and is required to secure an Air Pollution Control Permit to Operate ("Permit to Operate") pursuant to the requirements of Subchapter X of the *Regulations*, and Title 40 *Code of Federal Regulations* ("40 CFR") Part 70.

OMYA received a Permit to Construct and Operate on November 15, 1998, addressing the above noted requirements as part of its approval for the third flash dryer system at the Verpol Plant.

Some of the proposed projects identified in Findings of Fact (A) satisfy the definition of modification contained in §5-101 of the *Regulations*, and therefore, as stated in the previous paragraph require Agency review and approval pursuant to 10 V.S.A. §556 and Subchapter V of the *Regulations*. Additionally, since the Facility is a "Title V Subject Source," it must secure an amendment of its Permit to Operate consistent with the requirements of Subchapter X of the *Regulations* and 40 CFR Part 70. The Agency proposes to take action on the operating permit amendment simultaneous with its review of the proposed projects. This action is consistent with the provisions of 10 V.S.A. §556(e), and is being taken in order to minimize the administrative burden of processing and enforcing two (2) separate permits for the same facility.

(E) APPLICATION PROCESSING AND PUBLIC PARTICIPATION

On July 20, 1999, the Agency received an application and application review fee from OMYA, Inc. requesting approval to modify and operate the Verpol Plant. The Agency reviewed this application and determined that it was administratively complete on July 22, 1999. Pursuant to 10 V.S.A. §556 and §556a, the Agency published notice in the *Rutland Herald* on July 29, 1999, that it had received an administratively complete application. A copy of the application was forwarded to the Federal Land Manager on August 4, 1999. The affected states of Massachusetts, New York, and New Hampshire were notified of the receipt of the administratively complete operating permit amendment application on the August 25, 1999. On the same date the Agency determined the application satisfied the requirements for technical completeness.

Public notice was published in the *Rutland Herald* on September 11, 1999, of the Agency's plans to issue a draft decision approving the issuance of an amended Air Pollution Control Permit. This notification solicited comments on the application, the Agency's review, and draft decision for a minimum of thirty (30) days. The notice also notified the public of an informational meeting scheduled on Thursday, October 7, 1999. The affected states of New York, Massachusetts, and New Hampshire, the Federal Land Manager, and the U.S. EPA were notified of the Agency's draft decision on September 9, 1999. The comment period closed on October 20, 1999, with the Agency receiving comments from OMYA, Inc. and the U.S. EPA.

The Agency's responses to comments received during the public comment period and the proposed operating permit amendment/major modification approval was forwarded to U.S. EPA on October 21, 1999. On October 25, 1999, U.S. EPA indicated that it would not object to the issuance of the above noted amendment.

(F) NEW SOURCE REVIEW

The East Plant, Verpol Plant, and Cogeneration Plant, prior to the construction of the proposed modification, are designated as one major stationary source of air contaminants. Consequently, any modification of the source that would result in a "significant" increase in emissions of any air contaminant, as defined in §5-101 of the *Regulations*, is designated as a major modification and subject to review under §5-501 and §5-502 of the *Regulations*. The proposed projects identified in Findings of Fact (A) above, together with all previous minor modifications constructed at the Facility since July 1, 1979, and which have not been previously reviewed under §5-502 of the *Regulations*, will result in a significant increase in PM/PM<sub>10</sub> emissions. Consequently, the proposed modification is designated as a major modification and subject to the requirements of §5-502 of the *Regulations*.

(G) MOST STRINGENT EMISSION RATE

§5-502 of the *Regulations* requires that the owner/operator of each major modification apply control technology adequate to achieve the most stringent emission rate ("MSER") with respect to those air contaminants for which they would have a "significant" actual emissions increase, but only for those proposed physical or operational changes which would contribute to increased emissions. Summarized below are the emission rates which have been determined to be MSER and the basis for such a determination for the proposed modifications.

MSER will be applied to the following equipment at the Verpol Plant:

- (1) Spray Dryer #2;
- (2) Three flash dryers and associated product conveying systems;
- (3) 24 MMBTU/hr Boiler;
- (4) New steel storage silos;
- (5) Bulk bagging stations/silos;
- (6) House vacuum system;
- (7) New product transfer conveyor; and
- (8) Rotopackers.

Except for the spray dryers and boiler at the Verpol Plant, the Agency has established

MSER as the application of a fabric filter achieving an emission concentration of 0.01 grains per dry standard cubic foot ("gr/dscf") of undiluted exhaust air from equipment processing dry calcium carbonate product. MSER for Spray Dryer #2 is expressed in lbs/short ton of material processed and is equivalent to 0.01 gr/dscf, but will be achieved via the existing multiple cyclones in series with an electrostatic precipitator ("ESP"). MSER for the boiler is the use of a low sulfur distillate oil and proper operation and maintenance of the device achieving an emission limit of 0.35 lbs/MMBTU of heat input

(H) AMBIENT AIR QUALITY IMPACT EVALUATION

An air quality impact evaluation is performed to demonstrate whether or not a proposed project will cause or contribute to violations of the ambient air quality standards ("AAQS") and/or significantly deteriorate existing air quality. OMYA, Inc. performed an air quality impact evaluation in 1990 in support of its proposal to construct a combustion turbine project and add a second spray dryer. Under such circumstances, Agency procedures require a new demonstration when allowable emissions are projected to increase by ten (10) tpy or greater for any air contaminant. Based upon its proposed emission increases, OMYA, Inc. was required to perform a new evaluation for its emissions of PM<sub>10</sub> and NO<sub>x</sub>. No impact evaluation was necessary for SO<sub>2</sub> and CO because emissions either decrease or increased less than ten (10) tpy. The new impact evaluation submitted by OMYA, Inc. demonstrated the proposed projects in combination with prior modifications will not cause or contribute to violations of the AAQS, nor will it significantly deteriorate existing air quality in the area of the Verpol Plant and the nearest Class I Wilderness Area.

(I) ALLOWABLE EMISSIONS

Based upon the information provided by OMYA, Inc. and the Agency's determination of MSER, the Agency finds that OMYA's allowable emissions, as defined in §5-101 of the Regulations, are as follows:

Facility Allowable Emissions, tpy						
PM/PM <sub>10</sub>	SO <sub>2</sub>	NO <sub>x</sub>	CO	NMHCs	Pb	Total HAPs
129	178	154	105	12	<0.1	<1**

\* PM - particulate matter, PM<sub>10</sub> - particulate matter 10 microns in size and smaller, SO<sub>2</sub> - sulfur dioxide, NO<sub>x</sub> - oxides of nitrogen, CO - carbon monoxide, NMHCs - non-methane hydrocarbons, Pb - lead, Total HAPs - total hazardous air pollutant emissions.  
 \*\* All individual HAP emissions <0.1 tpy.

(J) APPLICABLE REQUIREMENTS

The operations at East Plant, Verpol Plant, and Cogeneration Plant are subject to the following state and federal laws and regulations, the requirements of which are embodied in the conditions of this Permit:

(i) Vermont Air Pollution Control Regulations:

<b>Applicable Requirement from Vermont Air Pollution Control Regulations</b>
§5-211(1) - Prohibition of Visible Air Contaminants, Installations Constructed Prior to April 30, 1970

<b>Applicable Requirement from Vermont Air Pollution Control Regulations</b>
§5-221(1) - Prohibition of Potentially Polluting Materials in Fuel, Sulfur Limitation in Fuel
§5-231(1) - Prohibition of Particulate Matter; Industrial Process Emissions
§5-231(3)(a)(i) - Prohibition of Particulate Matter; Combustion Contaminants
§5-231(3)(a)(ii) - Prohibition of Particulate Matter; Combustion Contaminants
§5-231(4) - Prohibition of Particulate Matter; Fugitive PM
§5-241 - Prohibition of Nuisance and Odor
§5-261 - Control of Hazardous Air Contaminants
§5-502(3) - Most Stringent Emission Rate
Subchapter VIII - Registration of Air Contaminant Sources
§5-1010 - Reasonably Available Control Technology (RACT)

(ii) Air Pollution Control Permit to Construct

OMYA, Inc. currently operates under the confines of a Permit to Construct and Operate issued on November 16, 1998. The conditions within this existing permit are considered applicable requirements pursuant to §5-1002(d)(1) of the *Regulations*. These requirements have not been specifically listed herein, since approval for the construction of the projects identified in Findings of Fact (A) will require modifications to the conditions of the existing Permit to Construct and Operate.

(iii) Federal Requirements:

<b>Applicable Requirement from Federal Regulations</b>	<b>Emission Unit/Source/Facility Subject to Requirement</b>
40 <i>CFR</i> Part 60, Subpart A	24 MMBTU/hr Boiler at Verpol Plant, Cogeneration Plant
40 <i>CFR</i> Part 60, Subpart Dc - Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units	24 MMBTU/hr Boiler at Verpol Plant
40 <i>CFR</i> Part 60, Subpart GG - Standards of Performance for Stationary Gas Turbines	Combustion Turbines at the Cogeneration Plant
40 <i>CFR</i> Part 60, Subpart OOO - Standards of Performance for Non-Metallic Mineral Processing Plants	East Plant: Product Bin C, Product Bin D, and Bin C & D Receiver  Verpol Plant: Surface Treater B with product conveying, Deagglomerator C with product conveying, Finished Product Silos #9 through #24, and Deagglomerator Mills associated with Flash Dryer Systems #1, #2 and #3, bulk bagger silos, and Rotopackers
40 <i>CFR</i> Part 82 - Stratospheric Ozone Protection	Facility-wide

(iv) Non-Applicable Requirements

Pursuant to §5-1015(a)(11) of the *Regulations*, OMYA, Inc. has requested a permit shield with respect to several potentially applicable requirements. The Agency has reviewed this request and determined that the operations performed at the Facility are not subject to the below listed air pollution control requirements. In accordance with §5-1015(a)(11), a permit shield is granted for the below listed requirements.

Non-Applicable Requirement for Which a Permit Shield has been Requested	Description of Non-Applicable Requirement	Affected Equipment/Facility
40 <i>CFR</i> Part 60 Subpart OOO	Standards of Performance for Non-Metallic Mineral Processing Plants	<u>East Plant</u> - 40 mesh silo, Raymond Mill w/ product conveying, Flash Dryer #1 w/ product conveying, Flash Dryer #1 Recycle collector, Flash Dryer #2 w/ product conveying, Product Silos 1-4, Product Bins A and B, Manual and Automatic Packaging <u>Verpol Plant</u> - Spray Dryer #1, Spray Dryer #2, Two Raw Product Silos, Deagglomerator A and B Feed Silos, Deagglomerator A and B with product conveying, Finished Product Silos #1 through #8, bulk truck/railcar loadout, and bulk bagging system

(K) HAZARDOUS MOST STRINGENT EMISSION RATE

The Agency has determined, pursuant to §5-261 of the *Regulations*, the Hazardous Most Stringent Emission Rate (“HMSER”) for the hazardous air contaminant, crystalline silica, as 0.009 pounds per hour. HMSER shall be achieved through the application of fabric filter collectors or electrostatic precipitators achieving the PM/PM<sub>10</sub> emission limitations identified in this Permit.

(L) EQUIVALENCY DETERMINATIONS

Particulate Matter Emission Standards

The federal standard for non-metallic mineral processing plants specifies a limit of 0.05 grams per dry standard cubic meter [equivalent to 0.022 grains per dry standard cubic foot (“gr/dscf”)] for affected facilities equipped with fabric filter collectors. Due to major modification applicability in 1990, the Agency has specified an emission limit of 0.01 gr/dscf for the affected facilities (See item 5.1 of Technical Analysis of an Air Contaminant Source) as part of achieving the Most Stringent Emission Rate (“MSER”). The emission concentrations specified by MSER are more stringent and therefore overrule the federal emission standards in 40 *CFR* Part 60 Subpart OOO for the affected facilities noted in item 6.1 of Technical Analysis of an Air Contaminant Source. Additionally, the same equipment is subject to a PM/PM<sub>10</sub> emission limit in §5-231(1)(a) and Table 1 of the *Regulations*. The requirements of §5-231(1)(a) and Table 1 of the *Regulations* are also less stringent than MSER and are also overruled by the MSER concentration of 0.01 gr/dscf.

Sulfur Dioxide Emission Standards

The federal standard for SO<sub>2</sub> specified in 40 *CFR* Part 60 Subpart GG is subsumed by the

sulfur in fuel restrictions specified for the Cogeneration Plant as part of achieving MSER. The combustion turbines may not burn distillate oil with a sulfur content greater than 0.3 % by weight (corresponds to an emission concentration of 58 ppm), which is more stringent than the federal limit of 0.8 % by wt. and 150 ppmvd corrected to 15% O<sub>2</sub> at ISO conditions. Additionally, the MSER sulfur in fuel restriction is also more stringent and therefore overrules the sulfur in fuel restriction in §5-221(1)(a) of the *Regulations* (2.0% by wt. or less).

#### Nitrogen Oxides Emission Standards

The federal standard for NO<sub>x</sub> specified in 40 *CFR* Part 60 Subpart GG is subsumed by the NO<sub>x</sub> limit specified for the Cogeneration Plant as part of achieving MSER. The combustion turbines may not emit NO<sub>x</sub> in excess of 60 ppmvd corrected to 15% O<sub>2</sub> and ISO conditions, which is more stringent than the federal limit of 176 ppmvd corrected to 15% O<sub>2</sub> and ISO conditions.

#### (M) STATE AND FEDERAL ENFORCEABILITY

All conditions of this Permit are enforceable by both state and federal authorities.

#### (N) COMPLIANCE CERTIFICATION

Condition (45) of this Permit requires OMYA, Inc. to certify compliance as part of its annual registration with the Agency pursuant to the requirements of Subchapter VIII of the *Regulations*. Additionally, Conditions (31)(c), (34), (35)(e), and (43) requires the submittal of quarterly reports and summaries of periodic monitoring records.

Based on the Agency's review of OMYA's application and the above findings of fact, the Agency concludes that the proposed modification and operation of the East Plant, Verpol Plant, and Cogeneration Plant, subject to the following permit conditions, complies with all applicable state and federal air pollution control laws and regulations or is subject to an acceptable schedule of compliance. Therefore, pursuant to 10 V.S.A., §556 and §556a, the Agency hereby issues a Permit approving the modification and operation of the East Plant, Verpol Plant, and Cogeneration Plant as described in the above findings of fact, subject to the following:

## **PERMIT CONDITIONS**

[NOTE: The conditions of this Permit are divided into four sections: conditions applicable to the Verpol Plant; conditions applicable to the East Plant; conditions applicable to the Cogeneration Plant; and site-wide conditions applicable to all three facilities.]

### **OMYA, Inc. (Verpol Plant) - Construction and Equipment Specifications -**

- (1) OMYA, Inc. shall modify and operate its Verpol Plant in accordance with the plans and specifications submitted to the Agency on November 2, 1983; June 11 and October 18, 1985; April 8 and May 26, 1987; November 17, 1989; February 23 and April 19, 1990; August 24, 1994; February 23 and July 5, 1996; and September 5, October 16, November 24, 1997, September 14, 1998, and July 20, 1999, and in accordance with the conditions of this Permit. [10 V.S.A. §556(c)]
  
- (2) Spray Dryer #2 shall be a Niro dryer Model OGH size 6 manufactured by Process Combustion Corporation, and shall have the following specifications:  
  
System Design Feed Rate - 30 metric tons per hour ("MtpH") of ground limestone slurry on a dry weight basis  
  
Maximum Heat Input - 45 million British Thermal Units per hour ("MMBTU/hr")  
Maximum Fuel Firing Rate - 321 gallons per hour ("gals/hr")  
  
Spray Dryer #2 shall be installed and equipped with two cyclone precollectors in series with a Flakt, Inc. Model FAA 2x37.5H-63-90 electrostatic precipitator ("ESP") or an equivalent design approved by the Agency in writing. Each cyclone shall have a diameter of seven (7) feet and shall be operated at a minimum pressure drop of six (6) inches of water. The ESP shall be of wire electrode design and shall have a plate collection area of at least 30,000 square feet. Product material collected by the ESP shall be conveyed either to the Raw Product Silos or Deagglomerator C. [10 V.S.A. §556(c)]
  
- (3) The Deagglomerator C and Spray Dryer #2 circuit shall be designed and installed in accordance with flow diagram VEME.100.SPRAY-DRYER.DIAGRAM submitted to the Agency on November 17, 1989. Deagglomerator C shall have a maximum design processing rate of twenty (20) MtpH. After the product is air classified, remaining entrained particulate matter shall be controlled with a cyclone followed by a Luhr Model MVF 2.5/7.5/2/1351 reverse air fabric filter collector or an equivalent design approved by the Agency in writing. The Luhr collector shall be installed with a minimum of 1350 16 oz. singed polyester filters (5.5 inches oval x 80 inches long) totaling to a minimum of 11,000 square feet of cloth area. [10 V.S.A. §556(c)]

- (4) The product conveying systems installed and operated by OMYA, Inc. shall transport product to the silos at the Verpol Plant in accordance with the destinations in the diagram entitled "Verpol Plant Air Emission Points, Drawing No.: M.1180.Future4" and dated September 21, 1998. Each silo served by a product conveying system shall be equipped with a fabric filter collector with the following specifications or an equivalent design approved by the Agency in writing:

	Silos 11, 12, 13, 14, 15, & 16	New Steel Silos	Bulk Bagger Silos
Manufacturer:	Flex-Kleen	Flex-Kleen	Flex-Kleen
Model:	84-WRBS-96	84-WRBS-96	84-WRBS-96
Bag Size:	5-3/4" dia. x 84" long	5-7/8" dia. x 87" long	5-7/8" dia. x 87" long
Cloth Area:	min. of 1000 ft <sup>2</sup>	min. of 1070 ft <sup>2</sup>	min. of 1070 ft <sup>2</sup>
Number of Bags:	96	96	96
Air-to-Cloth Ratio:	2.7:1	2.5:1	3.3:1
Bag Type:	16 oz. singed polypropylene	16 oz. polyester needled felt, no special finish	16 oz. polyester needled felt, no special finish
Operating Pressure Drop:		approx. 4" wc.	approx. 4" wc.
Cleaning Mechanism:	Pulse Jet	Pulse Jet, 80-100 psig	Pulse Jet, 80-100 psig

[10 V.S.A. §556(c)]

- (5) Flash Dryer System #1 and Flash Dryer System #2 at the Verpol Plant shall be installed and operated in accordance with the plans and specifications submitted to the Agency on July 5, 1996 or equivalent design approved in writing by the Agency. Product from each flash dryer system shall be collected with a fabric filter collector, and shall have the below listed specifications or an equivalent design approved by the Agency in writing. Each fabric filter shall be operated and maintained in accordance with the recommendations of the equipment manufacturer. OMYA, Inc. shall install and operate monitoring devices designed to alert the operator of potential exceedances of the particulate matter emission limits as specified in Condition (12) of this Permit on each fabric filter installed as part of the flash dryer systems. The particulate matter monitoring devices shall be designed to detect fabric filter leaks or broken bags and shall provide either a visual or audible alert to the operator in the event of total or partial failure of the air pollution control system.

Manufacturer: Flex-Kleen Corporation

Model: 120-WXWC-464III

Bag Size: 5-7/8 inches diameter x 120 inches long

Cloth Area: 7,099 square feet minimum

Number of Bags: 460 minimum

Air-to-Cloth Ratio: 2.1:1 (Flash Dryer System #1); 2.3:1 (Flash Dryer System #2)

Bag Type: 16 oz. Ryton needled felt with Ryton scrim, sewn with fiberglass thread

Pulse Jet Cleaning Mechanism

Pressure Drop: 3-6 inches of wc.

Top access; walk-in clean air plenum

Equipped with airlock

[10 V.S.A. §556(c)]

- (6) Flash Dryer System #3 at the Verpol Plant shall be installed and operated in accordance with the plans and specifications submitted to the Agency on September 14, 1998 or equivalent design approved in writing by the Agency. Product from the Flash Dryer #3 system shall be collected with a fabric filter collector, and shall have the below listed specifications or an equivalent design approved by the Agency in writing. The fabric filter shall be operated and maintained in accordance with the recommendations of the equipment manufacturer. OMYA, Inc. shall install and operate a monitoring device designed to alert the operator of potential exceedances of the particulate matter emission limits as specified in Condition (12) of this Permit on the fabric filter serving the flash dryer system. The particulate matter monitoring device shall be designed to detect fabric filter leaks or broken bags and shall provide either a visual or audible alert to the operator in the event of total or partial failure of the air pollution control system. OMYA, Inc. shall submit plans and specifications to the Agency for its review and shall obtain written approval from the Agency prior to installing an alternative monitoring device from that specified in Condition (35)(a) of this Permit.

Manufacturer: Flex-Kleen Corporation

Model: 120-WXWC-464III

Bag Size: 5-7/8 inches diameter x 120 inches long

Cloth Area: 7,099 square feet minimum

Number of Bags: 460 minimum

Air-to-Cloth Ratio: 2.3:1

Bag Type: 16 oz. Ryton needled felt with Ryton scrim, sewn with fiberglass thread

Pulse Jet Cleaning Mechanism

Pressure Drop: 3-6 inches of wc.

Top access; walk-in clean air plenum

Equipped with airlock

[10 V.S.A. §556(c)]

- (7) The 600 horsepower ("HP") boiler at the Verpol Plant shall be installed and operated in accordance with the plans and specifications submitted to the Agency on September 5, 1997 or an equivalent design approved in writing by the Agency. The boiler shall have the below listed specifications or an equivalent design approved by the Agency in writing. The 600 HP boiler shall be operated and maintained in accordance with the recommendations of the equipment manufacturer and the conditions of this Permit.

Manuf: Hurst or equivalent

Boiler Type: Fire tube

Boiler Max. Rate Heat Input: 24 MMBTU/hr

Boiler Max. Rate Heat Output: 600 HP

Fuel Type: distillate oil (No. 2 Oil)

Number of Burners: 1

Burner Manuf.: Gordon Piatt or equivalent

Burner Type: Air atomized

Max. Fuel Firing Rate: 175 gals/hr

Estimated Max. Burner Heat Input: 24 MMBTU/hr

Maximum Fuel Sulfur Content: 0.3% by wt.

Operating Pressures: 100 psig operating maximum; 150 psig design

Steam Production Rates: 20,700 lbs of steam/hr (gross) design

[10 V.S.A. §556(c)]

- (8) The House Vacuum System at the Verpol Plant shall be installed and operated in accordance with the plans and specifications submitted to the Agency on July 20, 1999 or equivalent design approved in writing by the Agency. Material collected by the vacuum system shall be discharged to a fabric filter collector. The vacuum system shall have the below listed specifications or an equivalent design approved by the Agency in writing. The fabric filter shall be operated and maintained in accordance with the recommendations of the equipment manufacturer.

Manufacturer: HIVAC Corp.

Model: Ultra Vac 10010

Bag Size: 6" dia. x 68" long; Cloth Area: 1,175 ft<sup>2</sup> minimum

Number of Bags: 132 minimum

Air-to-Cloth Ratio: 2.1:1

Bag Type: 16 oz. Polyester singed felt

Pressure Drop: 4-6 inches of wc.

Equipped with airlock

[10 V.S.A. §556(c)]

- (9) Each Rotopacker at the Verpol Plant shall be equipped and operated with a fabric filter in accordance with the plans and specifications submitted to the Agency on July 20, 1999 or equivalent design approved in writing by the Agency. Each fabric filter shall have the below listed specifications or an equivalent design approved by the Agency in writing. Each fabric filter shall be operated and maintained in accordance with the recommendations of the equipment manufacturer.

Manufacturer: Luhr

Model: MWF .5/4.0/2.0

Bag Size: 5.5" dia. x 80" long

Cloth Area: 7,334 ft<sup>2</sup> minimum

Number of Bags: 764 minimum

Air-to-Cloth Ratio: 2.0:1

Bag Type: 16 oz. Polyester felt, no special finish

Pressure Drop: Approximately 4" wc.

Equipped with airlock

Cleaning Mechanism: Pulse jet, 80-100 psig

[10 V.S.A. §556(c)]

- (10) In addition to the fabric filter collectors identified in Conditions (3), (4), (5), (6), (8), and (9) of this Permit, OMYA, Inc. shall equip each of the sources of particulate matter ("PM") emissions listed below with a PM control device of the specifications indicated by OMYA, Inc. in its application or equivalent design approved in writing by the Agency. All control devices at the Verpol Plant shall be maintained in good working order and shall be operated whenever their respective production equipment is in operation.

Spray Dryer #1

Surface Treater A (formerly Deagglomerator A)

Surface Treater C (formerly Deagglomerator B)

Product Silos

Surface Treater B

[10 V.S.A. §556(c)]

**- Emissions Limitations -**

(11) Visible Emission Standards

- (a) At no time shall OMYA, Inc. cause to be emitted from a fabric filter dust collector any stack emissions which exhibit greater than seven (7) percent ("%") opacity. [40 *CFR* Part 60 Subpart OOO and 10 *V.S.A.* §556(c)]
- (b) Truck dumping of nonmetallic minerals into any screening operation, feed hopper or crusher is exempt from the opacity standard in Condition (11)(a) of this Permit. However, OMYA, Inc. shall take reasonable precautions at all times to control fugitive emissions from such truck dumping. [40 *CFR* Part 60 Subpart OOO and 10 *V.S.A.* §556(c)]
- (c) If any emission testing is conducted to demonstrate compliance with the opacity standard in Condition (11)(a) above, OMYA, Inc. shall use Reference Method 9 of Appendix A of Title 40 *Code of Federal Regulations* ("40 *CFR*"), Part 60 or an alternative method which has been published in 40 *CFR* provided the federally approved alternative method has been accepted in writing by the Agency before testing. [40 *CFR* Part 60 Subpart OOO and 10 *V.S.A.* §556(c)]
- (d) Emissions of visible air contaminants from the boilers at the Verpol Plant shall not exceed twenty (20) % opacity for a period or periods aggregating to six (6) minutes or more in any hour, and at no time shall they exceed sixty (60) % opacity. If any emission testing is conducted to demonstrate compliance with the opacity standards in this paragraph, OMYA, Inc. shall use proposed Federal Reference Method F-1 (51 *Federal Register*, page 31076, August 29, 1986) or an alternative method which has been published in 40 *CFR* provided the federally approved alternative method has been accepted in writing by the Agency before testing. [10 *V.S.A.* §556(c) and §5-211(2) of the *Regulations*]

- (12) The PM emission concentration from each fabric filter at the Verpol Plant shall not exceed 0.01 grains per dry standard cubic foot ("gr/dscf") of undiluted exhaust gas, and shall at no time exceed the rates specified in the table below:

<u>Source</u>	<u>Maximum Emission Rate (lbs/hr)</u>
Surface Treater A (formerly Deagglomerator A)	0.86
Surface Treater C (formerly Deagglomerator B)	0.86
Deagglomerator C	1.4
Surface Treater A, B, & C Product Conveying Systems	0.10 per system
Surface Treater B	2.1
Deag. C Product Conveying System	0.23
Bulk Bagging Transfer Hopper	0.10
Flash Dryer #1 System	0.86
Flash Dryer #2 System	0.86
Flash Dryer #3 System	0.86
Flash Dryer #1 Product Conveying System	0.23
Flash Dryer #2 Product Conveying System	0.23
Flash Dryer #3 Product Conveying System	0.23
Product Silo Transfer Conveying System	0.23
Bulk Bagger Stations/Silos	0.07 per silo
House Vacuum System	0.21
Rotopackers	1.2 per system

If any emission testing is conducted to demonstrate compliance with the above PM emission limitations, OMYA, Inc. shall use Reference Method 5 of Appendix A of 40 *CFR* Part 60 or an alternative method which has been published in 40 *CFR* provided the federally approved alternative method has been accepted in writing by the Agency before testing. [10 V.S.A. §556(c) and §5-502(3) of the *Regulations*]

- (13) The PM emission rate from the ESP servicing Spray Dryer #1 shall not exceed 0.07 lbs/short ton of total solids entering the spray dryer on an hourly basis, and 1.7 pounds per hour ("lbs/hr"). The PM emission rate from the ESP servicing Spray Dryer #2 shall not exceed 0.070 lbs/short ton of total solids entering the spray dryer on an hourly basis, and 2.3 lbs/hr. If any emission testing is conducted to demonstrate compliance with the above PM emission limitations, OMYA, Inc. shall use Reference Method 5 of Appendix A of 40 *CFR* Part 60 or an alternative method which has been published in 40 *CFR* provided the federally approved alternative method has been accepted in writing by the Agency before testing. [10 V.S.A. §556(c) and §5-502(3) of the *Regulations*]
- (14) The SO<sub>2</sub> emission rate from each flash dryer at the Verpol Plant (#1, #2, and #3) shall not exceed 0.7 lbs/hr. If any emission testing is conducted to demonstrate compliance with the above SO<sub>2</sub> emission limitations, OMYA, Inc. shall use Reference Method 6C of Appendix A of 40 *CFR* Part 60 or an alternative method which has been published in 40 *CFR* provided the federally approved alternative method has been accepted in writing by the Agency before testing. [10 V.S.A. §556(c)]

- (15) The PM/PM<sub>10</sub> emission rate from the 600 HP boiler shall not exceed 0.014 lbs/MMBTU of heat input and 0.35 lbs/hr. If any emission testing is conducted to demonstrate compliance with the above PM emission limitations, OMYA, Inc. shall use Reference Method 5 of Appendix A of 40 *CFR* Part 60 or an alternative method which has been published in 40 *CFR* provided the federally approved alternative method has been accepted in writing by the Agency before testing. [10 V.S.A. §556(c)]

**- Operational Restrictions -**

- (16) The annual distillate oil used at the Verpol Plant [including the two combustion turbines operated by Vermont Marble Power Division of OMYA, Inc. ("VMPD")] shall not exceed 11,235,000 gallons based on any rolling twelve (12) consecutive calendar month period. In addition, annual distillate oil consumption for the dryers, combustion turbines ("CTs"), boilers, and diesel engines shall not exceed 5,500,000 gallons, 6,815,280 gallons, 680,000 gallons, and 18,516 gallons, respectively, based on any rolling twelve (12) consecutive calendar month period. Each dryer, combustion turbine, and boiler at the Verpol Plant shall be equipped and use a fuel flow meter for the purposes of monitoring compliance with the above limitations. [10 V.S.A. §556(c)]
- (17) The maximum sulfur content in the distillate oil used at the Verpol Plant shall not exceed 0.3% by weight. Compliance with the fuel oil sulfur limit shall be determined using the sampling and analysis procedures as specified in Condition (34) of this Permit. [10 V.S.A. §556(c) and §5-502(3) of the *Regulations*]
- (18) When the CTs are in operation, the distillate oil firing rate in Spray Dryer #1 and Spray Dryer #2 shall not exceed sixty-two (62) gallons per hour and 169 gallons per hour, respectively. [10 V.S.A. §556(c)]
- (19) OMYA, Inc. shall not make changes to the additives used in any process, where such changes may adversely affect the collection efficiency of the ESPs or fabric filters. [10 V.S.A. §556(c)]

**OMYA, Inc. (East Plant)**

- (20) The following conditions shall apply to the East Plant until such time as OMYA, Inc. ceases operation of air contaminant generating equipment at the East Plant:

**- Construction and Equipment Specifications -**

- (a) OMYA, Inc. shall modify and operate the East Plant in accordance with the plans and specifications submitted to the Agency on November 17, 1989; February 23 and April 19, 1990; April 6, 1993; and February 23, 1996. In addition, Bin C & D, and the Raw Material Bin at the East Plant shall be installed and operated in accordance with the plans and specifications submitted to the Agency on November 2, 1983; June 11, 1985; and April 6, 1993, and in accordance with the conditions of this Permit. [10 V.S.A. §556(c)]

**- Operational Restrictions -**

- (b) The annual amount of distillate oil used at the East Plant shall not exceed 600,000 gallons based on any rolling twelve (12) consecutive calendar month period. [10 V.S.A. §556(c)]
- (c) The maximum sulfur content in the distillate oil used at the East Plant shall not exceed 0.5% by weight. Compliance with this sulfur content limitation shall be based upon fuel sampling and/or supplier records. [10 V.S.A. §556(c)]

**- Emissions Limitations -**

- (d) Visible Emission Standards
  - (i) At no time shall OMYA, Inc. cause to be emitted from a fabric filter dust collector any stack emissions which exhibit greater than seven (7) percent opacity. [10 V.S.A. §556(c)]
  - (ii) Truck dumping of nonmetallic minerals into any screening operation, feed hopper or crusher is exempt from the opacity standard of Condition (20)(d)(i) of this Permit. However, OMYA, Inc. shall take reasonable precautions at all times to control fugitive emissions from such truck dumping. [10 V.S.A. §556(c)]
  - (iii) If any emission testing is conducted to demonstrate compliance with the opacity standard in Condition (20)(d)(i) above, OMYA, Inc. shall use Reference Method 9 of Appendix A of 40 *CFR* Part 60 or an alternative method which has been published in 40 *CFR* provided the federally approved alternative method has been accepted in writing by the Agency before testing. [10 V.S.A. §556(c)]
  - (iv) Emissions of visible air contaminants from the boiler at the East Plant shall not exceed twenty (20) % opacity for a period or periods aggregating to six (6) minutes or more in any hour, and at no time shall they exceed sixty (60) % opacity. If any emission testing is conducted to demonstrate compliance with the opacity standards in this paragraph, OMYA, Inc. shall use proposed Federal Reference Method F-1 (51 *Federal Register*, page 31076, August 29, 1986) or an alternative method which has been published in 40 *CFR* provided the federally approved alternative method has been accepted in writing by the Agency before testing. [10 V.S.A. §556(c) and §5-211(2) of the *Regulations*]

- (e) The PM emission concentrations from the fabric filter units servicing Bin C, Bin D, and Bin C and D Receiver at the East Plant shall not exceed 0.01 gr/dscf of undiluted exhaust gas, and shall at no time exceed the rates specified in the table below:

<u>Source</u>	<u>Maximum Emission Rate (lbs/hr)</u>
Bin C	0.15
Bin D	0.15
Bin C & D Receiver	0.07

If any emission testing is conducted to demonstrate compliance with the above PM emission limitations, OMYA, Inc. shall use Reference Method 5 of Appendix A of 40 *CFR* Part 60 or an alternative method which has been published in 40 *CFR* provided the federally approved alternative method has been accepted in writing by the Agency before testing. [10 V.S.A. §556(c) and §5-502(3) of the *Regulations*]

- (f) The PM emission concentrations from each of the remaining fabric filter collectors at the East Plant shall not exceed 0.02 gr/dscf of undiluted exhaust gas, and shall at no time exceed the rates specified in the table below:

<u>Source</u>	<u>Maximum Emission Rate (lbs/hr)</u>
Raymond Mill	0.34
Flash Dryer #1	1.3
Flash Dryer #1 Recycle Collector	0.27
Flash Dryer #2 with Heat Exchanger	1.4
Silo #1	0.29
Silo #2	0.29
Silo #3	0.29
Silo #4	0.29
Bin A	0.29
Bin B	0.29
Manual Packaging Dust Relief	0.24
Automatic Packaging Dust Relief	0.46
40 Mesh Unloading	0.15

If any emission testing is conducted to demonstrate compliance with the above PM emission limitations, OMYA, Inc. shall use Reference Method 5 of Appendix A of 40 *CFR* Part 60 or an alternative method which has been published in 40 *CFR* provided the federally approved alternative method has been accepted in writing by the Agency before testing. [10 V.S.A. §556(c)]

**Vermont Marble Power Division of OMYA, Inc. (Cogeneration Plant)**  
**- Construction and Equipment Specifications -**

- (21) The two combustion turbines ("CTs") installed to provide heat to dry product material and generate electricity shall be Model 501-KB5 turbine-electric generator units manufactured by Allison Gas Turbines. The two CTs shall be designed and operated in accordance with the plans and specifications submitted to the Agency on November 17, 1989, and February 23, and April 19, 1990. Each turbine shall have the following specifications:

Dual Fuel Capability

Maximum Design Heat Input (based on LHV of fuel and water injection)	(natural gas) 50.0 MMBTU/hr (distillate oil) 50.4 MMBTU/hr
Maximum Design Firing Rate (with water injection)	(natural gas) 16.2 ft <sup>3</sup> per second (distillate oil) 389 gals/hr

[10 V.S.A. §556(c)]

- (22) The CTs shall be fitted with water injection equipment for the purpose of limiting emissions of oxides of nitrogen ("NO<sub>x</sub>"). Further, all elements of this pollution control system shall be maintained in good working order and operated whenever the CTs are running at operating loads greater than 1.2 megawatts ("MWs") of electrical generation output from each unit. VMPD shall take all reasonable precautions to minimize periods of operation at 1.2 MWs or less for the CTs. [10 V.S.A. §556(c)]
- (23) On September 18, 1996, the U.S. EPA issued an applicability determination saying the Cogeneration Plant is not currently a Title IV affected source. If Vermont Marble Power Division of OMYA, Inc. alters its method of operation of the Cogeneration Plant such that it exceeds the limits stated in 40 *CFR* Part 72.6(b)(4)(ii), the Cogeneration Plant shall become an affected source and comply with the requirements of 40 *CFR* 72-78. [10 V.S.A. §556(c)]

**- Emissions Limitations -**

- (24) During periods when VMPD is firing distillate oil in the CTs, PM emissions shall not exceed 0.06 lbs/MMBTU and 3.0 lbs/hr from each unit. If any emission testing is conducted to demonstrate compliance with the above PM emission limitations, VMPD shall use Reference Method 5 of Appendix A of 40 *CFR* Part 60 or an alternative method which has been published in 40 *CFR* provided the federally approved alternative method has been accepted in writing by the Agency before testing. [10 V.S.A. §556(c) and §5-502(3) of the *Regulations*]
- (25) Each CT shall be designed to achieve one-hour average emission concentrations and rates as specified in Table I below. In the event that emission testing demonstrates that any one-hour average emission exceeds its respective design emission concentration or rate but is less than the maximum values listed in Table II below, VMPD shall take all reasonable measures to reduce and maintain its emissions to the lowest feasible level below the maximum values listed in Table II. [10 V.S.A. §556(c) and §5-502(3) of the *Regulations*]

- (26) Except as provided in Condition (28) of this Permit, one-hour average emissions shall at no time exceed the applicable concentrations and rates listed in Table II. In the event that emission testing demonstrates that any one-hour average emission exceeds its respective maximum value listed in Table II, the CT shall cease operation within thirty (30) days after VMPD or the Agency receives the result of said testing. The Agency shall permit the facility to restart only after VMPD has demonstrated to the satisfaction of the Agency that all necessary corrective actions have been taken to ensure that the facility will operate in compliance with this Permit. Within sixty (60) days after restarting operation under these circumstances, compliance with the emission standard specified in Table II shall be demonstrated by emission testing to the satisfaction of the Agency. [10 V.S.A. §556(c) and §5-502(3) of the *Regulations*]

**TABLE I**

Pollutant	Fuel	Design Emission Values	
		Concentration ppmvd*	Emission Rate lbs/hr
NO <sub>x</sub>	Oil	42	8.7
	Gas	34	6.8
Carbon Monoxide ("CO")	Oil	60	7.6
	Gas	26	3.2

\* parts per million on a dry volume basis at ISO operating conditions corrected to 15% O<sub>2</sub> and ISO standard day conditions; ISO standard day conditions - 288 degrees Kelvin, 60 percent relative humidity, and 101.3 kilopascals

**TABLE II**

Pollutant	Fuel	Maximum Emission Values	
		Concentration ppmvd*	Emission Rate lbs/hr
NO <sub>x</sub>	Oil	60	11.8
	Gas	42	9.2
CO	Oil	83	10.5
	Gas	36	4.4

\* parts per million on a dry volume basis at ISO operating conditions corrected to 15% O<sub>2</sub> and ISO standard day conditions; ISO standard day conditions - 288 degrees Kelvin, 60 percent relative humidity, and 101.3 kilopascals

- (27) VMPD shall not allow the emission of any visible air contaminants from the CTs, for more than a period or periods aggregating to six (6) minutes in any hour, which have a shade, or density greater than twenty (20) % opacity. At no time shall such emissions have a shade, density, or appearance greater than sixty (60) % opacity. If any emission testing is conducted to demonstrate compliance with the opacity standards in this paragraph, OMYA, Inc. shall use proposed Federal Reference Method F-1 (51 *Federal Register*, page 31076, August 29, 1986) or an alternative method which has been published in 40 *CFR* provided the federally approved alternative method has been accepted in writing by the Agency before testing. [10 V.S.A. §556(c) and §5-211(2) of the *Regulations*]

**- Operational Restrictions -**

(28) Turbine Start-up and Shutdown Conditions

- (a) Turbine start-up periods shall be defined as those periods of time from initiation of CT firing until the unit reaches steady-state operations, but not longer than twenty (20) minutes. Turbine shutdown periods shall be defined as those periods of time beginning with the initiation of CT shutdown timer and ending with the elimination of CT air contaminant emissions to the exhaust stack. [10 V.S.A. §556(c)]
- (b) VMPD shall limit total CT start-ups and shutdowns to no more than five (5) during any one week period. VMPD may exceed said limit only under emergency circumstances outside the direct control of the operator or during periods of CT maintenance. VMPD shall notify the Agency within five (5) days of any exceedance of the weekly start-up and shutdown limit. [10 V.S.A. §556(c)]
- (c) The emission limitations applicable to the CTs in Conditions (24) through (26) above shall not apply during CT start-up and shutdown conditions. Additionally, the NO<sub>x</sub> emission limitations in units of ppmvd listed in Conditions (25) and (26) above shall not apply during periods when the CTs are running at operating loads of 1.2 MW or less of electrical generation output from each unit, and the CO emission limitations listed in Conditions (25) and (26) above shall not apply during low-load conditions while firing distillate oil. Low-load conditions shall be defined as any period when electrical production from a CT is less than 50% of its NEPOOL Claimed Capability. For the purposes of this Permit, the definition of NEPOOL Claimed Capability shall be the maximum claimed capability as determined by an audit approved by NEPOOL and published on NEPOOL Form NX-12 A. [10 V.S.A. §556(c)]
- (d) Each CT shall be initiated using a starting engine driving a hydraulic motor as specified in VMPD's letter to the Agency dated April 17, 1990. The starting engines shall be Model 4-53 manufactured by Detroit Diesel Corporation and shall be equipped with N-50 injectors. Each starting engine shall be rated at 136 HP at 2800 rpm, and shall be fueled with diesel fuel containing a maximum sulfur content of 0.3% by weight. [10 V.S.A. §556(c)]
- (e) Each starting engine shall not operate more than 100 hours during any rolling twelve (12) month period. [10 V.S.A. §556(c)]
- (f) VMPD shall equip each starting engine with a non-resettable elapsed time meter designed to measure and record its total hours of operation. [10 V.S.A. §556(c)]
- (g) VMPD shall record, in a logbook, the monthly hours of operation for each starting engine. These records shall be made available for Agency inspection upon request. [10 V.S.A. §556(c)]

- (h) Emissions of visible air contaminants from the starting engines shall not exceed twenty (20) % opacity for more than a period or periods aggregating to six (6) minutes or more in any hour. At no time shall visible emissions exceed sixty (60) % opacity. If any emission testing is conducted to demonstrate compliance with the opacity standards in this paragraph, OMYA, Inc. shall use proposed Federal Reference Method F-1 (51 *Federal Register*, page 31076, August 29, 1986) or an alternative method which has been published in 40 *CFR* provided the federally approved alternative method has been accepted in writing by the Agency before testing. [10 V.S.A. §556(c) and §5-211(2) of the *Regulations*]
  
- (29) In the event that annual CT hours of operation at low-load conditions while firing distillate oil exceed 10% of the total annual CT hours of operation while firing distillate oil, then VMPD shall, within sixty (60) days of exceeding the 10% level, submit in writing to the Agency a plan detailing how VMPD proposes to amend this Permit in order to operate the CT(s) under increased low-load operations. For the purposes of this condition, "hours of operation" means the hours during which the CTs are actually producing electrical energy, but does not include CT operations associated with start-up and shutdown, repair, maintenance, or testing activities. [10 V.S.A. §556(c)]
  
- (30) The maximum sulfur content in the distillate oil used by the CTs shall not exceed 0.3% by weight. Compliance with the fuel oil sulfur limit shall be determined using the sampling and analysis procedures as specified in Condition (34) of this Permit. [10 V.S.A. §556(c) & §5-502(3) of the *Regulations*]

**- Monitoring Requirements -**

- (31) Continuous Parameter Monitoring

VMPD shall equip each of the CTs with a continuous parameter monitoring system ("CPMS") to continuously monitor fuel consumption, turbine load output, and the ratio of water to fuel being fired in each of the turbines.

All CPMS shall be installed, calibrated, maintained, and operated in such a manner as to meet the requirements of 40 *CFR*, Part 60, Subpart GG - Standards of Performance for Stationary Gas Turbines; and the Air Pollution Control Division, Technical Services Section's ("TSS") "Continuous Emission Monitoring Requirements". VMPD shall continuously operate and maintain the system in accordance with the following:

- (a) All CPMS monitoring devices, and recording equipment shall be installed and operational before VMPD conducts compliance testing of the CTs.

- (b) VMPD shall develop, implement, and maintain for all CPMS a Quality Assurance Plan ("QA Plan") which satisfactorily documents operations pursuant to state and federal requirements. VMPD shall obtain conceptual approval from the Agency of the QA Plan prior to initial start-up of a CT. The QA Plan must be acceptable to, and be approved by, the Secretary prior to the compliance testing of the CTs. Said plan shall specify acceptable instrumentation, monitoring procedures, calibration procedures, and data acquisition systems as required to demonstrate compliance with this Permit. The QA Plan shall also include any testing procedures required to determine CPMS accuracy. VMPD shall review the QA Plan and all data generated by its implementation at least once each year. VMPD shall revise and update the plan as necessary but at least annually, based on the results of this review. VMPD shall notify the TSS in writing of the results of each review.
- (c) VMPD shall submit a summary report of data to the Vermont Air Pollution Control Division (Attn: Engineering Services Section, Air Pollution Control Division, 103 South Main Street, Building 3 South, Waterbury, Vermont 05671-0402) for each calendar quarter, within thirty (30) days after the close of the quarter, regarding turbine fuel consumption and water-to-fuel ratio, in accordance with 40 *CFR* 60.334(c) and the TSS "Continuous Emissions Monitoring Requirements."
- (d) VMPD shall maintain a file of all information reported in the quarterly summaries and all other data collected by the monitoring systems for at least five (5) years from the date of collection of such data or submission of such summaries. All data records for the monitoring systems shall be marked to show the times of both start-up and shutdown of the CTs. [10 V.S.A. §556(c)]

**Site-Wide Conditions**  
**- Compliance Testing and Monitoring -**

- (32) OMYA, Inc. shall perform the particulate matter and visible emission testing on the following discharges:
  - (a) the fabric filter exhaust serving Flash Dryer System #3 deagglomerator mill,
  - (b) a fabric filter exhaust serving a new product silo,
  - (c) a fabric filter exhaust serving a new bulk bagger storage silo, and
  - (d) a fabric filter exhaust serving a rotopacker exhaust.

Said testing and a written report summarizing the results of such testing shall be submitted to the Agency within 180 days after the initial start-up of one of each of the pieces of equipment identified above and in the case of the flash dryer within 180 days after achieving normal production through the dryer. Said testing shall be performed in order to demonstrate compliance with emission limitations contained in Conditions (11) and (12) of this Permit. At least thirty (30) days prior to performing the emission testing required herein, OMYA, Inc. shall submit to the Agency a pre-test report prepared in accordance with the Agency's "Source Emission Testing Guidelines." [10 V.S.A. §556(c) & 40 *CFR* Part 60 Subpart 000]

- (33) Continuing compliance with the NO<sub>x</sub> emission standards specified in Conditions (25) and (26) of this Permit shall be determined by means of continuous monitoring of the water-to-fuel ratio, as required in Condition (31) of this Permit, with the exception of periods when a CT operational load is 1.2 MWs or less of output. [10 V.S.A. §556(c)]
- (34) OMYA, Inc./VMPD shall sample and analyze the fuel being fired in its fuel burning equipment at the Verpol Plant for its sulfur content (percent by weight basis) in order to demonstrate compliance with Conditions (17), (30), and (51) of this Permit. The sulfur content shall be determined on each occasion that fuel is transferred to the bulk storage tank from any other source. OMYA, Inc./VMPD shall perform all fuel oil sampling and analysis in accordance with American Society for Testing and Materials ("ASTM") methods which have received the prior approval of the Secretary. OMYA, Inc./VMPD shall preserve indefinitely the records of each fuel oil delivery, and of all fuel oil sampling and analysis. OMYA, Inc./VMPD shall provide a quarterly summary of its fuel oil delivery and sulfur contents along with the quarterly CPMS report required by Condition (31)(c) of this Permit. [10 V.S.A. §556(c)]
- (35) Periodic Monitoring of Visible Air Contaminants and Particulate Matter
- (a) OMYA, Inc. shall equip each flash dryer system, as specified in Conditions (5) and (6) of this Permit, and Surface Treater B at the Verpol Plant with an Auburn Triboguard II Model 4002 emission measurement device or an equivalent system approved by the Agency in writing. OMYA, Inc. shall use these devices to alert the equipment operator of increased emissions of PM and visible emissions, and the need for scheduling maintenance on the air pollution control system. For the process equipment identified above, OMYA, Inc. shall note each incidence that it receives an alarm, as well as the maintenance performed to rectify the problem identified by the alarm, in the logbook required in Condition (38) of this Permit. [§§5-405(1) and 5-1015(a)(3) of the *Regulations* and 40 *CFR* Part 70 §70.6(a)(3)(i)(B)]
- (b) OMYA, Inc. shall record the electricity supplied and used by each field for the electrostatic precipitators serving Spray Dryer #1 and Spray Dryer #2. [§§5-405(1) and 5-1015(a)(3) of the *Regulations* and 40 *CFR* Part 70 §70.6(a)(3)(i)(B)]
- (c) For the remainder of the process equipment at the Verpol Plant which is equipped with a fabric filter collector, OMYA, Inc. shall maintain in each respective logbook, as required in Condition (38) of this Permit, weekly observations of the pressure drop across each fabric filter exhausting to the ambient air. The logbook shall contain the name of the individual making the observation, the results of the observation in terms of inches of water, and, if necessary, the corrective action taken to maintain the pressure drop within acceptable ranges as specified by the fabric filter manufacturer for each respective fabric filter. [§§5-405(1) and 5-1015(a)(3) of the *Regulations* and 40 *CFR* Part 70 §70.6(a)(3)(i)(B)]
- (d) OMYA, Inc. shall maintain a logbook of weekly observations of the emissions from its boilers at the Verpol Plant. The logbook shall contain the name of the individual making the observation, the results of the observation in terms of emission density observed, and the corrective action taken to reduce the emission density, if any. [§§5-405(1) and 5-1015(a)(3) of the *Regulations* and 40 *CFR* Part 70 §70.6(a)(3)(i)(B)]

- (e) Summaries of the records identified in Conditions (35)(a) through (35)(d) of this Permit shall be submitted to the Agency for each calendar quarter within thirty (30) days after the close of the quarter. [§5-1015(a)(3) of the *Regulations* and 40 *CFR* Part 70 §70.6]

**- Record keeping and Reporting -**

- (36) Except as provided in Condition (26) of this Permit, VMPD shall notify the Agency no later than one (1) working day after a violation is discovered of any emission limitation contained in Table II.
- \* identification of the emission standard violated,
  - \* suspected reason for the violation,
  - \* corrective action taken or to be taken, and
  - \* anticipated length of violation.
- [10 V.S.A. §556(c)]
- (37) VMPD shall provide a written report to the Agency within five (5) days of any violation of the emission standards contained in Conditions (24), (25), and (26) of this Permit. This report shall, at a minimum, provide the information required in Condition (36) of this Permit. [10 V.S.A. §556(c)]
- (38) OMYA, Inc. shall record in a logbook, information pertaining to maintenance performed on each fabric filter. This maintenance logbook shall contain, in addition to the information specified in Condition (35) of this Permit, the following minimum information: work performed and date maintenance was completed. OMYA, Inc. shall also include in the logbook a diagram depicting the filter bag locations for each fabric filter unit. The diagram shall be updated each time maintenance is performed on the fabric filters in order to document the location of each fabric filter requiring maintenance. OMYA, Inc. shall make the logbook available for Agency inspection upon request. [10 V.S.A. §556(c)]
- (39) OMYA, Inc./VMPD shall notify the Agency of any anticipated noncompliance with the terms of this Permit or any other applicable air pollution control regulation. [10 V.S.A. §556(c)]
- (40) VMPD shall maintain the following records for the CTs, in addition to any other requirements of this Permit:
- \* The hours of operation, including the hours of any start-up, shutdown event or malfunction in the operation of the CTs.
  - \* The hours of operation at low load conditions, defined as those conditions where electrical production from a CT is less than 50% of its NEPOOL Claimed Capability. NEPOOL Claimed Capability being as defined in Condition (28)(c) of this Permit.
  - \* The hours of operation when electrical energy actually being produced by each CT.
  - \* NEPOOL Form NX-12 A for each CT.
  - \* Once VMPD commences fueling the combustion turbines with primarily natural gas, VMPD shall record the date, start time, end time and amount of fuel used for any period when fuel oil is burned.

\* Any malfunction of the air pollution control systems for the CTs.  
[10 V.S.A. §556(c)]

- (41) OMYA, Inc. shall notify the Agency in writing of any proposed physical or operational change at the Facility which may increase the emission rate of any air contaminant to the ambient air. If the Agency determines that a permit amendment is required, a new application and the appropriate application fee shall be submitted. The permit amendment shall be obtained prior to commencing any such change. [Subchapter V of the *Regulations* and 40 *CFR* Part 60 Subpart A §60.7(a)(4)]
- (42) Except as otherwise provided, all records required in this Permit shall be maintained for a minimum of five (5) years after the date of each record and shall be made available to representatives of the Agency upon request. [10 V.S.A. §556(c)]
- (43) In addition to the record keeping requirements specified in Conditions (31)(c), (34), (35) and (40) of this Permit, OMYA, Inc./VMPD shall monitor and record the following data:
- (a) the monthly fuel use by the East Plant;
  - (b) the daily and monthly fuel consumption for the 600 horsepower boiler at the Verpol Plant; and
  - (c) the occurrence and duration of any startup, shutdown, or malfunction in the operation of the 600 horsepower boiler at the Verpol Plant.

Summaries of such records shall be submitted to the Agency for each calendar quarter within thirty (30) days after the close of the quarter. [10 V.S.A. §556(c) and §5-1015(a)(3) of the *Regulations* and 40 *CFR* Part 60 Subpart Dc]

- (44) OMYA, Inc. shall notify the Agency in writing of the date(s) of initial startup of the new equipment installed as part of the modification approved by this permit. Such notification shall be provided to the Agency within thirty (30) days of such date. [10 V.S.A. §556(c)]
- (45) OMYA, Inc. shall calculate the quantity of emissions of air contaminants from the Facility annually. If OMYA, Inc. emits more than five (5) tons of any and all air contaminants per year, OMYA, Inc. shall register the source with the Secretary, and shall renew such registration annually. Each day of operating a source which is subject to registration without a valid, current registration shall constitute a separate violation and subject OMYA, Inc. to civil penalties. The registration process shall follow the procedures set forth in Subchapter VIII of the *Regulations*. Annual registration forms submitted to the Agency shall contain a compliance certification. [10 V.S.A. 556(c) and Subchapter VIII of the *Regulations* and §5-1015(8) of the *Regulations*]
- (46) Except as otherwise provided in Conditions (26) and (37) of this Permit, OMYA, Inc. shall notify the Agency in writing within ten (10) days of any violation, of which it is aware, of any requirements of this Permit. This notification shall include, at a minimum, the cause for the violation and corrective action or preventative maintenance taken to correct the violation.  
[10 V.S.A. §556(c)]

- (47) All records, reports, and notifications that are required to be submitted to the Agency by this Permit shall be submitted to:

Field Services Section  
Air Pollution Control Division  
D.E.C., Agency of Natural Resources  
103 South Main Street, Bldg 3 South  
Waterbury, Vermont 05671-0402.

[10 V.S.A. §556(c)]

**- Air Pollution Control Equipment Malfunctions -**

- (48) If a malfunction of any air pollution control equipment occurs that would cause OMYA, Inc./VMPD to operate outside the terms of this Permit, the unit(s) which would cause the exceedance shall be shutdown immediately. The unit(s) shall remain shutdown until the malfunction has been identified and corrected. [10 V.S.A. §556(c)]

**- Fugitive Particulate Matter -**

- (49) OMYA, Inc. shall take reasonable precautions at all times to prevent any visible emissions of fugitive PM from the receiving, processing, bulk loading, and transportation of raw materials and products. The Agency may require the use of additional fugitive particulate matter emission controls, depending on the actual operation of the Verpol Plant and East Plant. [10 V.S.A. §556(c) and §5-231(4) of the *Regulations*]

**- Natural Gas Supply -**

- (50) OMYA, Inc./VMPD shall notify the Agency at such time as a supply of natural gas becomes available at a comparable cost to distillate oil to the Verpol Plant. Within 180 days from the time a supply of natural gas becomes available, OMYA, Inc./VMPD shall convert its fuel burning equipment to primarily fire natural gas. At the same time, VMPD shall make arrangements to comply with the fuel sampling and analysis requirements specified in 40 *CFR* Section 60.334(b)(2). After conversion to natural gas, OMYA, Inc./VMPD shall not combust distillate oil (containing 0.3% by weight or less sulfur) at any time except during periods of natural gas curtailment. [10 V.S.A. §556(c)]

**- Backup Diesel Engine Generator Set -**

- (51) The Model 4-71 diesel engine generator set manufactured by Detroit Diesel Corporation shall be installed and operated in accordance with the plans and specifications submitted to the Agency on April 19, 1990. The diesel generator shall be equipped with N70 injectors and shall have the following specifications:

Design Rated Horsepower - 145 HP @ 1800 rpm

Operate on diesel fuel with a maximum sulfur content of 0.3% by weight.

[10 V.S.A. §556(c) and §5-502(3) of the *Regulations*]

- (52) The backup diesel engine generator set shall not operate more than 100 hours during any rolling twelve (12) month period. [10 V.S.A. §556(c)]
- (53) VMPD shall equip the diesel engine generator with a non-resettable elapsed time meter designed to measure and record its total hours of operation. [10 V.S.A. §556(c)]
- (54) VMPD shall record, in a logbook, the total number of engine generator set operating hours per month. These records shall be made available for Agency inspection upon request. [10 V.S.A. §556(c)]
- (55) Emissions of visible air contaminants from the engine generator set shall not exceed twenty (20) % opacity for more than a period or periods aggregating to six (6) minutes in any hour. At no time shall visible emissions exceed sixty (60) % opacity. If any emission testing is conducted to demonstrate compliance with the opacity standards in this paragraph, OMYA, Inc. shall use proposed Federal Reference Method F-1 (51 *Federal Register*, page 31076, August 29, 1986) or an alternative method which has been published in 40 *CFR* provided the federally approved alternative method has been accepted in writing by the Agency before testing. [10 V.S.A. §556(c) & §5-211(2) of the *Regulations*]

**- Nuisance and Odor -**

- (56) OMYA, Inc. shall not discharge, cause, suffer, allow, or permit from any source whatsoever such quantities of air contaminants or other material which will cause injury, detriment, nuisance or annoyance to any considerable number of people or to the public or which endangers the comfort, repose, health or safety of any such persons or the public or which causes or has the tendency to cause injury or damage to business or property. [§5-241 of the *Regulations*]
- (57) OMYA, Inc. shall not discharge, cause, suffer, allow or permit any emissions of objectionable odors beyond the property line of the facility. [§5-241 of the *Regulations*]

**- Circumvention -**

- (58) OMYA, Inc. shall not build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard of this Permit. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere. [40 *CFR* Part 60 Subpart A §60.12 and §5-403 of the *Regulations*]

**- Protection of Stratospheric Ozone -**

- (59) Protection of Stratospheric Ozone - Recycling and Emissions Reduction. OMYA, Inc. shall comply with the standards for recycling and emissions reduction pursuant to 40 *CFR* Part 82, Subpart F:
  - (a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices specified in 40 *CFR* Part 82, Subpart F §82.156.

- (b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment as specified in 40 *CFR* Part 82, Subpart F §82.158.
- (c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program as specified in 40 *CFR* Part 82, Subpart F §82.161.
- (d) Commercial or industrial process refrigeration equipment must comply with the leak repair requirements specified in 40 *CFR* Part 82, Subpart F §82.156.
- (e) For each appliance normally containing fifty (50) or more pounds of refrigerant, OMYA, Inc. shall keep records of refrigerant purchased and added to such appliances as specified in 40 *CFR* Part 82, Subpart F §82.166.

[40 *CFR* Part 82, Subpart F]

**- Standard Permit Conditions -**

- (60) Approval to construct or modify under this Permit shall become invalid if construction or modification is not commenced within eighteen (18) months after issuance of this Permit, if construction or modification is discontinued for a period of eighteen (18) months or more, or if construction or modification is not substantially completed within a reasonable time. The Agency may extend any one of these periods upon a satisfactory showing that an extension is justified. The term "commence" as applied to the proposed construction or modification of a source means that the owner or operator either has:
  - (a) Begun, or caused to begin, a continuous program of actual on-site construction or modification of the source, to be completed within a reasonable time; or
  - (b) Entered into binding agreements or contractual obligations, which cannot be canceled or modified without substantial loss to the owner or operator, to undertake a continuous program of actual on-site construction or modification of the source to be completed within a reasonable time.

[10 V.S.A. §556(c)]

- (61) These Permit conditions may be modified, suspended, terminated, or revoked for cause and reissued upon the filing of a written request with the Secretary of the Agency (hereinafter "Secretary") or upon the Secretary's own motion. Any modification shall be granted only with the written approval of the Secretary. If the Secretary finds that modification is appropriate, only the conditions subject to modification shall be re-opened. The filing of a request for modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated non-compliance does not stay any terms or conditions of this Permit. The Secretary may provide opportunity for public comment on any proposed modification of these conditions. If public comments are solicited, the Secretary shall follow the procedures set forth in 10 V.S.A., §556 and §556a, as amended.

[10 V.S.A. §556(c) and §556a(d)]

- (62) Cause for reopening, modification, termination and revocation of this Permit includes, but is not limited to:
- (a) Inclusion of additional applicable requirements pursuant to state or federal law;
  - (b) A determination that the permit contains a material mistake or that inaccurate information was used to establish emissions standards or other terms or conditions of the operating permit;
  - (c) A determination that the operating permit must be modified or revoked to ensure compliance with applicable requirements;
  - (d) A determination that the subject source has failed to comply with a permit condition;
  - (e) For Title V subject sources, a determination by the U.S. EPA that cause exists to terminate, modify, revoke, or reissue an operating permit;
  - (f) Those causes which are stated as grounds for refusal to issue, renew or modify an operating permit under §5-1008(a) of the Regulations; or
  - (g) If more than three (3) years remain in the permit term and the source becomes subject to a new applicable requirement.

[§5-1008(e)(4) of the *Regulations*]

- (63) This Permit does not convey any property rights of any sort or any exclusive privilege, nor does it authorize any injury to private property or any invasion of personal rights. [10 V.S.A. §556(c)]
- (64) By acceptance of this Permit, OMYA, Inc. agrees to allow representatives of the State of Vermont access to the properties covered by the Permit, at reasonable times, to ascertain compliance with Vermont environmental and health statutes and regulations and with this Permit. OMYA, Inc. also agrees to give the Agency access to review and copy any records required to be maintained by this Permit, and to sample or monitor at reasonable times to ascertain compliance with this Permit. [10 V.S.A. §556(c)]
- (65) All data, plans, specifications, analyses and other information submitted or caused to be submitted to the Agency as part of the application for this Permit or an amendment to this Permit shall be complete and truthful and certified by a responsible official whose designation has been approved by the Secretary. Any such submission which is false or misleading shall be sufficient grounds for denial or revocation of this Permit, and may result in a fine and/or imprisonment under the authority of Vermont statutes. [10 V.S.A. §556(c) and §5-1008(f) of the *Regulations*]
- (66) These permit conditions shall be binding upon and enforceable against OMYA, Inc. and all subsequent owners and operators of the source. Subsequent owners of the source shall file an administratively complete application for an Air Pollution Control Permit to Operate within twelve (12) months of any change of the source's ownership. The terms and conditions of this Permit shall remain in full force and effect until the issuance of a new Permit to Operate. [§5-1005(a) of the *Regulations*]
- (67) The provisions of this Permit are severable. If any provision of this Permit, or its application to any person or circumstances is held invalid, illegal, or unenforceable by a court of competent jurisdiction, the invalidity shall not apply to any other portion of this Permit which can be given effect without the invalid provision or application thereof. [10 V.S.A. §556(c) and §556a(d)]

- (68) Any permit noncompliance could constitute a violation and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. [10 V.S.A. §556(c) and §§5-1008(a) and 5-1008(e) of the *Regulations*]
- (69) It shall not be a defense for OMYA, Inc. in an enforcement action that it would have been necessary to halt or reduce the permitted activity to maintain compliance with the conditions of this Permit. [10 V.S.A. §556(c) and §556a(d)]
- (70) OMYA, Inc. shall submit to the Agency a complete application for renewal of the Operating Permit at least twelve (12) months before the expiration of the Operating Permit. If a timely and administratively complete application for an operating permit renewal is submitted to the Secretary, but the Secretary has failed to issue or deny such renewal before the end of the term of this Operating Permit, then OMYA, Inc. may continue to operate the subject source and all terms and conditions of this Operating Permit shall remain in effect until the Secretary has issued or denied the operating permit renewal. However, this Operating Permit shall automatically expire if, subsequent to the renewal application being determined or deemed administratively complete pursuant to §5-1006 of the *Regulations*, OMYA, Inc. fails to submit any additional information required by the Secretary as well as information pertaining to changes to the Facility within thirty (30) days or such other period as specified in writing by the Secretary. [§§5-1005(c) and 5-1012 of the *Regulations*]
- (71) For the purposes of establishing whether or not a person has violated or is in violation of any condition of this Permit, nothing in this Permit shall preclude the use, including the exclusive use, of any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed. [10 V.S.A. §556a(d)]
- (72) Conditions (1) through (34), (36) through (55), (60), (61), (63) through (65), (67) through (69), and (70) are derived from the new source review requirements of Subchapter V of the *Vermont Air Pollution Control Regulations*. With the exception of the cited new source review conditions, the operating permit shall expire five (5) years from the date of its issuance. [§§5-1011 and 5-1012(a) of the *Regulations*]
- (73) The conditions set forth above supersede all conditions contained in the Agency's Air Pollution Control Permit to Construct #AOP-98-015 granted to OMYA, Inc. on November 16, 1999, and may only be modified after meeting the requirements of both 10 V.S.A. §556 and §556a and the regulations promulgated thereunder. [10 V.S.A. §556(c)]

The Agency's issuance of this Air Pollution Control Permit to Construct and Operate relies upon the data, judgement, and other information supplied by the Owner and/or Operator. The Agency makes no assurances that the air contaminant source approved herein will meet performance objectives or vendor guarantees supplied to the source Owner and/or Operator. It is the sole responsibility of the Owner and/or Operator of the source to operate the source in accordance with the conditions herein and with all applicable state and federal standards and regulations.

Dated this \_\_\_\_\_ day of \_\_\_\_\_, 1999, in the town of Waterbury, county of Washington, state of Vermont.

Agency of Natural Resources

Canute E. Dalmasse, Commissioner  
Department of Environmental Conservation

By: \_\_\_\_\_  
Richard A. Valentinetti, Director  
Air Pollution Control Division

A2 OMYA, Inc., Verpol Plant  
A2 OMYA, Inc., East Plant  
A2 Vermont Marble Power Division of OMYA, Inc.