



**Vermont Department of Environmental Conservation**

Watershed Management Division  
1 National Life Drive, Main-2  
Montpelier VT 05620-3522

*Agency of Natural Resources*

[phone] 802-490-6181

October 5, 2012

Dennis Carroll  
Omya, Inc.  
PO Box 10  
Whipple Hollow Rd  
Florence, VT 05744

**RE: Discharge Permit No. 3-0395: "Verpol" Facility**

Dear Mr. Carroll,

Enclosed is your copy of Discharge Permits No. 3-0395 which has been signed on behalf of the Commissioner of the Department of Environmental Conservation. This permit authorizes the discharge of calcium processing wastewater from your East and West (Verpol) facilities to Otter Creek and an unnamed tributary of Smith Pond.

Please review the permit carefully and make note of the effluent limitations, monitoring requirements, and other special conditions.

Since we did not receive any comments on this draft permit during the public notice period, the final permit is unchanged from the draft that was placed on public notice for comment.

If there are any questions regarding this permit please contact Randy Bean at 802 490-6181.

Sincerely,

A handwritten signature in black ink, appearing to read "Ernest F. Kelley".

Ernest F. Kelley, Manager  
Wastewater Management Program

Attachments

Cc  
David DiDomenico, VT WSMD

AGENCY OF NATURAL RESOURCES  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
WATERSHED MANAGEMENT DIVISION  
103 SOUTH MAIN STREET  
WATERBURY, VERMONT 05671-0408

Permit No.: 3-0395  
File No.: 11-16  
PIN: RU95-1093  
NPDES No.: VT0020770

DISCHARGE PERMIT

In compliance with the provisions of the Vermont Water Pollution Control Act, as amended, (10 V.S.A. Chapter 47 §1251 et. seq), the Vermont Water Pollution Control Permit Regulations, and the Federal Clean Water Act, as amended (33 U.S.C. § 1251 et. seq),

Omya, Inc.  
P.O. Box 10  
Whipple Hollow Road  
Florence, VT 05744

(hereinafter referred to as the "permittee") is authorized, by the Secretary, Agency of Natural Resources, to discharge from a facility located at:

Whipple Hollow Road  
Florence, Vermont

to Otter Creek and an unnamed tributary of Smith Pond, Class B at the point of discharge in accordance with effluent limitations, monitoring requirements, and other conditions set forth in Parts I, II, III hereof.

This permit shall become effective on the date of signing.

This permit and the authorization to discharge shall expire on September 30, 2017.

State of Vermont  
Agency of Natural Resources

David K. Mears, Commissioner  
Department of Environmental Conservation

BY:

Peter LaFlamme, Director  
Watershed Management Division

**PART I****A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS**

1. From the date of signing through September 30, 2017, the permittee is authorized to discharge from outfall serial number S/N 001 to Otter Creek: calcium carbonate processing wastewater and stormwater. Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations		Monitoring Requirements	
	Monthly Average	Daily Maximum	Measurement Frequency	Sample Type
Flow		0.20 mgd <sup>(1)</sup>	Each discharge event <sup>(1)</sup>	Total Daily Flow <sup>(2)</sup>
Total Suspended Solids		17 mg/l	1 x discharge event	Grab <sup>(3)</sup>
Turbidity		25 NTU	1 x discharge event	Grab <sup>(3)</sup>
pH	6.5 to 8.5 S.U.		1 x discharge event	Grab <sup>(3)</sup>
Whole Effluent Toxicity <sup>(4,5)</sup>	Monitor only		1 x year	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the outfall from the lower settling basin prior to entering the swale which conveys the wastewater to Otter Creek.

- The flow limitation shall only apply to the pumped discharge from the “Pittsford Italian Quarry” to the settling basin (a.k.a. “Discharge Event”).
- Each Discharge Event from the “Pittsford Italian Quarry” to the settling basin shall be measured and reported on the Discharge Monitoring Report. In addition all daily discharges (process water and stormwater) from the lower settling basin shall be measured by the flow meter located on the culvert at the beginning of the swale and reported on the Discharge Monitoring Report.
- The same sample shall be analyzed for Total Suspended Solids, Turbidity, and pH.
- The sample for Whole Effluent Toxicity (WET) test shall be taken to coincide with a Discharge Event. The WET test shall be a two-species (Pimephales promelas) and (Ceriodaphnia dubia), 48 hour acute Whole Effluent Toxicity (WET) test. The toxicity tests shall be conducted according to the procedures and guidelines specified in: “Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms” (most recent edition) USEPA document.
- Based upon the results of these tests or any other WET tests conducted on this discharge, this permit may be amended to include additional WET testing, a WET limitation and monitoring, or require that a Toxicity Reduction Evaluation be conducted.

2. From the date signing through September 30, 2017, the permittee is authorized to discharge from outfall serial number S/N 002 to an unnamed tributary of Smith Pond: calcium carbonate processing wastewater. Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations		Monitoring Requirements	
	Monthly Average	Daily Maximum	Measurement Frequency	Sample Type
Flow		0.35 mgd	Each discharge event	Total Daily Flow
Total Suspended Solids		10 mg/l	1 x discharge event	Grab <sup>(1)</sup>
Turbidity		10 NTU	1 x discharge event	Grab <sup>(1)</sup>
pH	6.5 to 8.5 S.U.		1 x discharge event	Grab <sup>(1)</sup>
Whole Effluent Toxicity (NOEL-A)	100% <sup>(2,3)</sup>		1 x year	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the outlet pipe from the settling basin prior to entering the unnamed tributary of Smith Pond.

1. The same sample shall be analyzed for Total Suspended Solids, Turbidity, and pH.
2. NOEL-A is the concentration of the effluent in a sample that causes No Observed (acute) Effect.
3. The sample for Whole Effluent Toxicity (WET) test shall be taken to coincide with a Discharge Event. The Whole Effluent Toxicity test shall be a two-species (Pimephales promelas) and (Ceriodaphnia dubia), 48 hour acute Whole Effluent Toxicity (WET) test. The toxicity tests shall be conducted according to the procedures and guidelines specified in: "Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms" (most recent edition) USEPA document.

### 3. Special Conditions:

- a. The permittee shall continue to implement the spill prevention and control plan (dated December 28, 2001) for handling of materials and product at the facilities (including loading and unloading areas) in order to prevent accidental discharges of materials into the wastewater treatment system collection system.
- b. These discharges shall not cause a violation of water quality standards in the receiving water.

- c. These discharges shall not have concentrations or combinations of contaminants including oil, grease, scum, or floating solids that would cause a violation of water quality standards in the receiving water.
- d. These discharges shall not cause a visible discoloration of the receiving waters.
- e. Prior to using new or materially different biocides or other process chemicals on a regular basis, the permittee shall submit, at a minimum, the Material Safety Data Sheet (MSDS) and an estimate of the volume of chemical to be used on an annual basis to the Wastewater Management Division.

A materially different biocide and/or other process chemical is defined as a product that is not currently listed on Attachment A. A change in chemical supplier, formulation name, or a change in concentrations of constituents in a chemical formulation does not constitute a materially different chemical.

- f. By no later than September 30, 2016, the permittee shall collect and analyze a sample from S/N 001 for the parameters listed on Attachment B. The results of this sampling and analysis shall be submitted as an attachment to the appropriate Discharge Monitoring Report.

Based upon the results of this analysis or any other priority pollutant analysis conducted on this discharge, this permit may be amended to require additional effluent analysis or to establish additional effluent limitations.

- g. If during the calendar year the permittee discharges from S/N 001 or S/N 002, then the permittee shall submit to the Agency a list and estimated volume of the biocides or other process chemicals used during that year. The information shall be included as an attachment on the January Discharge Monitoring Report.

## **B. REAPPLICATION**

If the permittee desires to continue to discharge after the expiration date of this permit, he shall apply on the application forms then in use at least 180 days before the permit expires.

Reapply for a Discharge permit by March 31, 2017.

## **C. OPERATING FEES**

This discharge is subject to operating fees. The permittees shall submit the operating fees in accord with the procedures provided by the Secretary.

## **D. MONITORING AND REPORTING**

### **1. Sampling and Analysis**

The sampling, preservation, handling, and analytical methods used shall conform to regulations published pursuant to Section 304(g) of the Clean Water Act, under which such

procedures may be required. Guidelines establishing these test procedures have been published in the Code of Federal Regulations, Title 40, Part 136 (Federal Register, Vol. 56, No. 195, July 1, 1999 or as amended).

If applicable, *Escherichia coli* shall be tested using one of the following methods:

- a. “Most Probable Number” (MPN) method 9223B found in Standard Methods for the Examination of Water and Wastewater, 18<sup>th</sup> or subsequent approved edition(s). Premade formulations are available as Colilert and Colilert 18 from IDEXX Labs Inc., Westbrook, ME;
- b. EPA “membrane filtration” (MF) method 1603 using modified mTEC; or
- c. A single step membrane filtration (MF) method using mColiBlue 24 available from Hach Company, Loveland, CO.

Samples shall be representative of the volume and quality of effluent discharged over the sampling and reporting period. All samples are to be taken during normal operating hours. The permittee shall identify the effluent sampling location used for each discharge.

## 2. Reporting

The Permittee is required to submit monitoring results as specified on a Discharge Monitoring Report (Form WR-43). Reports are due on the 15th day of each month, beginning with the month following the effective date of this permit.

If, in any reporting period, there has been no discharge, the permittee must submit that information by the report due date.

Signed copies of these, and all other reports required herein, shall be submitted to the Secretary at the following address:

Agency of Natural Resources  
Department of Environmental Conservation  
Watershed Management Division  
103 South Main Street  
Waterbury, Vermont 05671-0408

All reports shall be signed:

- a. In the case of corporations, by a principal executive officer of at least the level of vice president, or his/her duly authorized representative, if such representative is responsible for the overall operation of the facility from which the discharge described in the permit form originates;
- b. In the case of a partnership, by a general partner;
- c. In the case of a sole proprietorship, by the proprietor;

- d. In the case of a municipal, State, or other public facility, by either a principal executive officer, ranking elected official, or other duly authorized employee.

### **3. Recording of Results**

The permittee shall maintain records of all information resulting from any monitoring activities required including:

- a. The exact place, date, and time of sampling;
- b. The dates and times the analyses were performed;
- c. The person(s) who performed the analyses;
- d. The analytical techniques and methods used including sample collection handling and preservation techniques;
- e. The results of all required analyses.
- f. The records of monitoring activities and results, including all instrumentation and calibration and maintenance records;
- g. The original calculation and data bench sheets of the operator who performed analysis of the influent or effluent pursuant to requirements of Section I.(A) of this permit.

The results of monitoring requirements shall be reported (in the units specified) on the Vermont reporting form WR-43 or other forms approved by the Secretary.

### **4. Additional Monitoring**

If the permittee monitors any pollutant at the location(s) designated herein more frequently than required by this permit, using approved analytical methods as specified above, the results of such monitoring shall be included in the calculation and reporting of the values required in the Discharge Monitoring Report Form WR-43. Such increased frequency shall also be indicated.

## PART II

### A. MANAGEMENT REQUIREMENTS

#### 1. Facility Modification / Change in Discharge:

All discharges authorized herein shall be consistent with the terms and conditions of this permit. The discharge of any pollutant more frequently than, or at a level in excess of, that identified and authorized by this permit shall constitute a violation of the terms and conditions of this permit. Such a violation may result in the imposition of civil and/or criminal penalties as provided to 10 V.S.A. Chapters 47, 201, and/or 211. Any anticipated facility expansions, production increases, or process modifications which will result in new, different, or increased discharges of pollutants must be reported by submission of a new permit application or, if such changes will not violate the effluent limitations specified in this permit, by notice to the permit issuing authority of such changes. Following such notice, the permit may be modified to specify and limit any pollutants not previously limited.

#### 2. Noncompliance Notification

In the event the permittee is unable to comply with any of the conditions of this permit due, among other reasons, to:

- a. breakdown or maintenance of waste treatment equipment (biological and physical-chemical systems including, but not limited to, all pipes, transfer pumps, compressors, collection ponds or tanks for the segregation of treated or untreated wastes, ion exchange columns, or carbon absorption units),
- b. accidents caused by human error or negligence, or
- c. other causes such as acts of nature,

the permittee shall notify the Secretary within 24 hours of becoming aware of such condition or by the next business day and shall provide the Secretary with the following information, in writing, within five (5) days:

- i. cause of non-compliance
- ii. a description of the non-complying discharge including its impact upon the receiving water;
- iii. anticipated time the condition of non-compliance is expected to continue or, if such condition has been corrected, the duration of the period of non-compliance;
- iv. steps taken by the permittee to reduce and eliminate the non-complying discharge; and

- v. steps to be taken by the permittee to prevent recurrence of the condition of non-compliance.

### **3. Operation and Maintenance**

All waste collection, control, treatment, and disposal facilities shall be operated in a manner consistent with the following:

- a. The permittee shall, at all times, maintain in good working order and operate as efficiently as possible all treatment or control facilities or systems installed or used by the permittee to achieve compliance with the terms and conditions of this permit.
- b. The permittee shall provide an adequate operating staff which is duly qualified to carry out the operation, maintenance, and testing functions required to insure compliance with the conditions of this permit.

### **4. Quality Control**

The permittee shall calibrate and perform maintenance procedures on all monitoring and analytical instrumentation at regular intervals to ensure accuracy of measurements, or shall ensure that both activities will be conducted.

The permittee shall keep records of these activities and shall provide such records upon request of the Secretary.

The permittee shall demonstrate the accuracy of the flow measurement device twice per year during March and September and report the results on the monthly report forms. The acceptable limit of error is  $\pm 10\%$ .

The permittee shall analyze any additional samples as may be required by the Agency of Natural Resources to ensure analytical quality control.

### **5. Bypass**

The diversion or bypass of facilities, necessary to maintain compliance with the terms and conditions of this permit, is prohibited, except where authorized under terms and conditions of an emergency pollution permit issued pursuant to 10 V.S.A. Section 1268.

### **6. Duty to Mitigate**

The permittee shall take all reasonable steps to minimize or prevent any adverse impact to waters of the State resulting from non-compliance with any condition specified in this permit, including accelerated or additional monitoring as necessary to determine the nature and impact of the non-complying discharge.

**7. Records Retention**

All records and information resulting from the monitoring activities required by this permit including all records of analyses performed, calibration and maintenance of instrumentation, and recordings from continuous monitoring instrumentation shall be retained for a minimum of three (3) years, and shall be submitted to Department representatives upon request. This period shall be extended during the course of unresolved litigation regarding the discharge of pollutants or when requested by the Secretary.

**8. Solids Management**

Collected screenings, sludges, and other solids removed in the course of treatment and control of wastewaters shall be stored, treated and disposed of in accord with 10 V.S.A., Chapter 159 and with the terms and conditions of any certification, interim or final, transitional operation authorization or order issued pursuant to 10 V.S.A., Chapter 159 that is in effect on the effective date of this permit or is issued during the term of this permit.

**9. Emergency Pollution Permits**

Maintenance activities, or emergencies resulting from equipment failure or malfunction, including power outages, which result in an effluent which exceeds the effluent limitations specified herein, shall be considered a violation of the conditions of this permit, unless the permittee immediately applies for, and obtains, an emergency pollution permit under the provisions of 10 V.S.A., Chapter 47, Section 1268. The permittee shall notify the Department of the emergency situation by the next working day.

10 V.S.A., Chapter 47, Section 1268 reads as follows:

"When a discharge permit holder finds that pollution abatement facilities require repairs, replacement or other corrective action in order for them to continue to meet standards specified in the permit, he may apply in the manner specified by the secretary for an emergency pollution permit for a term sufficient to effect repairs, replacements or other corrective action. The permit may be issued without prior public notice if the nature of the emergency will not provide sufficient time to give notice; provided that the secretary shall give public notice as soon as possible but in any event no later than five days after the effective date of the emergency pollution permit. No emergency pollution permit shall be issued unless the applicant certifies and the secretary finds that:

- (1) there is no present, reasonable alternative means of disposing of the waste other than by discharging it into the waters of the state during the limited period of time of the emergency;
- (2) the denial of an emergency pollution permit would work an extreme hardship upon the applicant;
- (3) the granting of an emergency pollution permit will result in some public benefit;

- (4) the discharge will not be unreasonably harmful to the quality of the receiving waters;
- (5) the cause or reason for the emergency is not due to wilful or intended acts or omissions of the applicant."

Application shall be made to the Secretary of the Agency of Natural Resources, Department of Environmental Conservation, 103 South Main Street, Waterbury, Vermont 05671-0405.

## **10. Power Failure**

In order to maintain compliance with the effluent limitations and prohibitions of this permit, the permittee shall either:

- a. Provide an alternative power source sufficient to operate the wastewater control facilities, or if such alternative power source is not in existence,
- b. Halt, reduce, or otherwise control production and/or all discharges upon the reduction, loss, or failure of the primary source of power to the wastewater control facilities.

## **B. RESPONSIBILITIES**

### **1. Right of Entry**

The permittee shall allow the Secretary or authorized representative, upon the presentation of proper credentials:

- a. to enter upon the permittee's premises in which an effluent source or any records required to be kept under terms and conditions of the permit are located;
- b. to have access to and copy any records required to be kept under the terms and conditions of the permit;
- c. to inspect any monitoring equipment or method required in the permit; or
- d. to sample any discharge of pollutants.

### **2. Transfer of Ownership or Control**

This permit is not transferable without prior written approval of the Secretary. All application and operating fees must be paid in full prior to transfer of this permit. In the event of any change in control or ownership of facilities from which the authorized discharges emanate, the permittee shall provide a copy of this permit to the succeeding owner or controller and shall send written notification of the change in ownership or control to the Secretary. The permittee shall also inform the prospective owner or operator of their responsibility to make an application for transfer of this permit.

This request for transfer application must include as a minimum:

- a. A properly completed application form provided by the Secretary and the applicable processing fee.
- b. A written statement from the prospective owner or operator certifying:
  - i.. The conditions of the operation that contribute to, or affect, the discharge will not be materially different under the new ownership.
  - ii. The prospective owner or operator has read and is familiar with the terms of the permit and agrees to comply with all terms and conditions of the permit.
  - iii. The prospective owner or operator has adequate funding to operate and maintain the treatment system and remain in compliance with the terms and conditions of the permit.
- c. The date of the sale or transfer.

The Secretary may require additional information dependent upon the current status of the facility operation, maintenance, and permit compliance.

### **3. Confidentiality**

Pursuant to 10 V.S.A. 1259(b):

“Any records, reports or information obtained under this permit program shall be available to the public for inspection and copying. However, upon a showing satisfactory to the secretary that any records, reports or information or part thereof, other than effluent data, would, if made public, divulge methods or processes entitled to protection as trade secrets, the secretary shall treat and protect those records, reports or information as confidential. Any records, reports or information accorded confidential treatment will be disclosed to authorized representatives of the state and the United States when relevant to any proceedings under this chapter.”

### **4. Permit Modification**

After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked in whole or in part during its term for cause including, but not limited to, the following:

- a. violation of any terms or conditions of this permit;
- b. obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or
- c. a change in any condition that requires either a temporary or permanent reduction or elimination of the permitted discharge.

**5. Toxic Effluent Standards**

That if a toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is established under section 307(a) of the Federal Act for a toxic pollutant which is present in the permittee's discharge and such standard or prohibition is more stringent than any limitation upon such pollutant in the permit, the secretary shall revise or modify the permit in accordance with the toxic effluent standard or prohibition and so notify the permittee.

**6. Oil and Hazardous Substance Liability**

Nothing in this permit shall be construed to preclude the institution of legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under 10 V.S.A. §1281.

**7. Civil and Criminal Liability**

Except as provided in, "Bypass" (Part II, paragraph A.5.), "Power Failure" (Part II, paragraph A.10.), and "Emergency Pollution Permits" (Part II, paragraph A.9.), nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance. Civil and criminal penalties for non-compliance are provided for in 10 V.S.A. Chapter 47, 201, and 211.

**8. State Laws**

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable State law or regulation.

**9. Property Rights**

Issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State, or local laws or regulations.

**10. Severability**

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

**11. Authority**

This permit is issued under authority of 10 V.S.A. §1258 and 1259 of the Vermont Water Pollution Control Act, the Vermont Water Pollution Control Permit Regulations and Section 402 of the Clean Water Act, as amended. 10 V.S.A. §1259 states that: "No person shall discharge any waste, substance, or material into waters of the State, nor shall any

person discharge any waste, substance, or material into an injection well or discharge into a publicly owned treatment works any waste which interferes with, passes through without treatment, or is otherwise incompatible with those works or would have a substantial adverse effect on those works or on water quality, without first obtaining a permit for that discharge from the Secretary.

### PART III

#### A. OTHER REQUIREMENTS

This permit shall be modified, suspended or revoked to comply with any applicable effluent standard or limitation issued or approved under Sections 301(b) (2) (C), and (D), 304(b) (2), and 307 (a) (2) of the Clean Water Act, if the effluent standard or limitation so issued or approved:

1. Contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or
2. Controls any pollutant not limited in the permit.

The permit as modified under this paragraph shall also contain any other requirements of the Vermont Water Pollution Control Act then applicable.

#### B. DEFINITIONS

For purposes of this permit, the following definitions shall apply:

**The Act** - The Vermont Water Pollution Control Act, 10 V.S.A. Chapter 47

**Annual Average** - The highest allowable average of daily discharges calculated as the sum of all daily discharges (mg/l, lbs or gallons) measured during a calendar year divided by the number of daily discharges measured during that year.

**Average** - The arithmetic means of values taken at the frequency required for each parameter over the specified period.

**The Clean Water Act** - The federal Clean Water Act, as amended.

**Composite Sample** - A sample consisting of a minimum of one grab sample per hour collected during a 24-hour period (or lesser period as specified in the section on Monitoring and Reporting) and combined proportionally to flow over that same time period.

**Daily Discharge** - The discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for purposes of sampling.

For pollutants with limitation expressed in pounds the daily discharge is calculated as the total pounds of pollutants discharged over the day.

For pollutants with limitations expressed in mg/l the daily discharge is calculated as the average measurement of the pollutant over the day.

**Grab Sample** - An individual sample collected in a period of less than 15 minutes.

**Incompatible Substance (Pollutant)** - Any waste being discharged into the treatment works which interferes with, passes through without treatment, or is otherwise incompatible with said works or would have a substantial adverse effect on these works or on water quality. This includes all pollutants required to be regulated under the Federal Clean Water Act.

**Instantaneous Maximum** - A value not to be exceeded in any grab sample.

**Major Contributing Industry** - One that: (1) has a flow of 50,000 gallons or more per average work day; (2) has a flow greater than five percent of the flow carried by the municipal system receiving the waste; (3) has in its wastes a toxic pollutant in toxic amounts as defined in standards issued under Section 307(a) of the Act; or (4) has a significant impact, either singly or in combination with other contributing industries, on a publicly owned treatment works or on the quality of effluent from that treatment works.

**Maximum Day** (maximum daily discharge limitation) - The highest allowable "daily discharge" (mg/l, lbs or gallons).

**Mean** - The mean value is the arithmetic mean.

**Monthly Average** - (Average monthly discharge limitation) - The highest allowable average of daily discharges (mg/l, lbs or gallons) over a calendar month, calculated as the sum of all daily discharges (mg/l, lbs or gallons) measured during a calendar month divided by the number of daily discharges measured during that month.

**NPDES** - The National Pollutant Discharge Elimination System.

**Secretary** - The Secretary of the Agency of Natural Resources

**State Certifying Agency**      Agency of Natural Resources  
   Department of Environmental Conservation  
   Wastewater Management Division  
   103 South Main Street  
   Waterbury, Vermont 05671-0405

**Weekly Average** - (Average weekly discharge limitation) - The highest allowable average of daily discharges (mg/l, lbs or gallons) over a calendar week, calculated as the sum of all daily discharges (mg/l, lbs or gallons) measured during a calendar week divided by the number of daily discharges measured during that week.

**ATTACHMENT A**

M7338  
M5050  
M566  
M1221  
M1078  
M918  
M922  
M980  
M981  
M987  
M988  
M989  
ACD 82802-n or equivalent  
N-521  
N-922  
P-1  
Polycryl M898/45A  
Phosphoric Acid  
Sodium Hypochlorite and/or Bleach  
Stearic Acid  
Super A-130 Flocculant  
Sodium Silicate  
M1182  
M1167  
Alcofix 269  
M8167  
NG 78 (expected use to begin on 10/01/12)  
XM2420 (expected use to begin on 10/01/12)

**ATTACHMENT B**

*Metals (total recoverable), cyanide and total phenols:*

Antimony  
Arsenic  
Beryllium  
Cadmium  
Chromium  
Copper  
Lead  
Mercury  
Nickel  
Selenium  
Silver  
Thallium  
Zinc  
Cyanide  
Total phenolic compounds

*Volatile organic compounds:*

acrolein  
acrylonitrile  
benzene  
bromoform  
carbon tetrachloride  
chlorobenzene  
chlorodibromomethane  
chloroethane  
2-chloroethylvinyl ether  
chloroform  
dichlorobromomethane  
1,1-dichloroethane  
1,2-dichloroethane  
Trans-1,2-dichloroethylene  
1,1-dichloroethylene  
1,2-dichloropropane  
1,3-dichloropropylene  
ethylbenzene  
methyl bromide  
methyl chloride  
methylene chloride  
1,1,2,2-tetrachloroethane  
tetrachloroethylene  
toluene  
1,1,1-trichloroethane  
1,1,2-trichloroethane  
trichloroethylene  
vinyl chloride

*Base-neutral compounds:*

Acenaphthene  
Acenaphthylene  
Anthracene  
Benzidine  
benzo(a)anthracene  
benzo(a)pyrene  
3,4-benzofluoranthene  
benzo(ghi)perylene  
benzo(k)fluoranthene  
bis(2-chloroethoxy)methane  
bis(2-chloroethyl)ether  
bis(2-chloroisopropyl)ether  
bis(2-ethylhexyl)phthalate  
4-bromophenyl phenyl ether  
butyl benzyl phthalate  
2-chloronaphthalene  
4-chlorophenyl phenyl ether  
chrysene  
di-n-butyl phthalate  
di-n-octyl phthalate  
dibenzo(a,h)anthracene  
1,2-dichlorobenzene  
1,3-dichlorobenzene  
1,4-dichlorobenzene  
3,3'-dichlorobenzidine  
diethyl phthalate  
dimethyl phthalate  
2,4-dinitrotoluene  
2,6-dinitrotoluene  
1,2-diphenylhydrazine  
fluoranthene  
fluorene  
hexachlorobenzene  
hexachlorobutadiene  
hexachlorocyclo-pentadiene  
hexachloroethane  
indeno(1,2,3-cd)pyrene  
isophorone  
naphthalene  
nitrobenzene  
N-nitrosodi-n-propylamine  
N-nitrosodimethylamine  
N-nitrosodiphenylamine  
phenanthrene  
pyrene  
1,2,4-trichlorobenzene

*Acid-extractable compounds:*

p-chloro-m-cresol  
2-chlorophenol  
2,4-dichlorophenol  
2,4-dimethylphenol  
4,6-dinitro-o-cresol  
2,4-dinitrophenol  
2-nitrophenol  
4-nitrophenol  
pentachlorophenol  
phenol  
2,4,6-trichlorophenol