

**AGENCY OF NATURAL RESOURCES
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
ONE NATIONAL LIFE DRIVE - MAIN 2
MONTPELIER, VERMONT 05620-3521**

**DRAFT INDIRECT
DISCHARGE PERMIT**

Permit No.: ID-9-0224
PIN : BR97-0135

SECTION A - "ADMINISTRATION"

In compliance with the provisions of 10 V.S.A. §1263, and in accordance with the following conditions, the permittee:

Village Green at Stowe Owner's Association
1003 Cape Cod Road
Stowe, Vermont 05672

is authorized to discharge treated domestic sewage from an existing subsurface wastewater disposal system serving the Village Green at Stowe Condominium Development in Stowe, Vermont to groundwater and indirectly to the West Branch of the Waterbury River. **This is a permit renewal.**

A1. Permit Summary:

Expiration Date	December 31, 2022
Type of Waste	Domestic Sewage
Treatment System	Septic Tanks
Disposal System	Leachfield
Town	Stowe
Drainage Basin	Winooski River
Receiving Stream	West Branch of the Waterbury River
Drainage Area	Approx. 23 square miles
Stream Flow:	
Low Median Monthly Flow	Est. 7.87 cfs (5.1 MGD)
Design Capacity	30,000 gallons per day
Dilution Ratio	
(stream flow to wastewater)	170 to 1 at LMMF

A2. Compliance Schedule:

The following schedule summarizes the actions and requirements necessary for compliance with the conditions of this permit. The permittee shall complete the requirements in accordance with the dates indicated. See the designated section for specific details.

<u>Condition # & Description</u>	<u>Schedule Date</u>
A3. Apply for renewal of Indirect Discharge Permit	September 30, 2022
D2(A). Have a Vermont Registered Professional Engineer complete an inspection of sewage collection, treatment and disposal system.	Annually during April
D2(B). Submit Annual Inspection Report	Annually by July 1st
D2(C). Submit Schedule for Implementing engineer's recommendations	Annually by August 1st
D3. Notify Secretary of pumping of tanks and septage disposal	As specified
E1. Record water meter readings	On the 1st day of each month

A3. Expiration Date:

This permit, unless revoked, or amended shall be valid until December 31, 2022 despite any intervening change in Water Quality Standards or the classification of receiving waters. Renewal of this Indirect Discharge Permit will be subject to all rules applicable at the time of renewal, including biological standards to determine significant alteration of aquatic biota.

The permittee shall apply for an Indirect Discharge Permit renewal by September 30, 2022 for continued authorization to discharge treated sewage. For the purposes of Title 3, an application for renewal of this Indirect Discharge Permit will be considered timely if a complete application is received by the expiration date.

A4. Effective Date:

This permit becomes effective on January 1, 2018.

A5. Revocation:

The Secretary may revoke this permit in accordance with 10 V.S.A. §1267.

A6. Transfer of Permit:

This permit is not transferable without prior written approval of the Secretary. The permittee shall notify the Secretary immediately, in writing, before any sale, lease or other transfer of ownership of the property from which the discharge originates. The proposed transferee shall make application for a permit to be reissued in his name. Failure to apply shall be considered a violation of this permit. Responsibility for compliance with the conditions of this permit shall be the burden of the permittee until such time as transfer of the permit to the transferee is complete. All application and operating fees must be paid in full prior to transfer of this permit. This permit shall be transferred only upon showing by the permittee or proposed transferee of compliance with the following conditions:

- a. The transferee shall be a legal entity, financially and technically competent to operate, inspect, maintain and replace the systems.
- b. The transferee shall demonstrate that they have the legal authority to raise revenues for the proper operation, inspection, and maintenance of the system.
- c. The transferee shall provide a written agreement containing a specific date for transfer of permit responsibility, coverage, and liability between the current and new permittee to the Secretary

A7. Minor Modifications of Permit:

The Secretary may modify this permit without requiring a permit application, a public notice, or public hearing only to correct typographical errors, or to increase the monitoring frequency in accordance with Condition E(3) of this permit.

A8. Indirect Discharge Rules:

This permit authorizes an existing indirect discharge.

This indirect discharge was reviewed and qualified for an Indirect Discharge Permit in accordance with Section 14-403 (a) of the Indirect Discharge Rules for existing indirect discharges of sewage. No increase in sewage volume is allowed without the written approval of the Secretary.

A9. Right of the Agency to Inspect:

The permittee shall allow the Secretary or the Secretary's authorized representative upon the presentation of proper credentials and at reasonable times:

- a. To enter upon permittee's premises in which any effluent source, treatment, or disposal system is located or in which any records are required to be kept under the conditions of the permit;
- b. To have access to and copy any records required to be kept under the conditions of this permit;
- c. To inspect any monitoring equipment or method required in this permit;
- d. To sample any discharge of waste, or groundwater monitor; and
- e. To inspect any collection, treatment, pollution management, and disposal facilities required by this permit.

A10. Permit Availability:

A copy of this permit shall remain at the office of the permittee and, upon request, shall be made available for inspection by the Secretary.

A11. Modifications to System:

Minor modifications of the engineering design which do not reduce the treatment effectiveness or increase the capacity of the system may be approved in writing without permit amendment.

Before making modifications to the treatment and/or disposal system the permittee shall submit plans to the Secretary for review and approval. These plans must be approved before any of the modifications are made.

A12. Correction of Failed Systems:

The Secretary may, upon discretion, issue an Administrative Amendment to the Indirect Discharge Permit for the reconstruction of a failed wastewater disposal system where the replacement system design was not previously approved.

Before reconstruction of the failed system the permittee shall submit plans to the Secretary for review and approval. These plans must be approved before any reconstruction occurs. Due to the urgency of the need to correct failed disposal systems, the Secretary will process these Amendments as soon as possible.

A13. Operating Fees:

This indirect discharge is subject to operating fees. The permittee shall submit the operating fees in accordance with procedures provided by the Secretary.

SECTION B - "INDIRECT DISCHARGE"

B1. Location of Indirect Discharge:

This existing indirect discharge is located in the Winooski River drainage basin in the town of Stowe, Vermont. The indirect discharge can be located on the USGS Stowe, VT 7.5' quadrangle map at Latitude N 44° 28' 30" and Longitude W 72° 42' 15".

B2. Nature of Indirect Discharge:

According to the approved plans for the sewage disposal system, the sewage is treated in septic tanks, then the wastewater is pumped to the disposal area. The wastewater disposal system consists of 100% dual alternating seepage beds with an approved disposal capacity of 30,000 gallons per day.

If the present system fails, the permittee must proceed with design and construction of a new system in accordance with Section A12 of this permit.

SECTION C "SYSTEM APPROVALS"

C1. Previous Approvals:

The sewage treatment and disposal system was originally approved by Certification of Compliance EC-1538-5 Revised on May 23, 1978. Modifications to the sewage collection, treatment and disposal system were approved under Certification of Compliance 100036-1 and subsequent amendments listed below:

<u>Certification of Compliance or Permit #</u>	<u>Building Approved for Connection To System</u>	<u>Disposal Fields Approved for Construction</u>	<u>Date Issued</u>
100036-1	#1 and 6	#4 and #3	3/9/81
100036-1 (2nd Revision)	#5 and Administrative Building		3/5/82
100036-1 (3rd Revision)	#7 and Recreation Building		5/10/82

C1. Previous Approvals (continued):

Certification of Compliance or Permit #	Building Approved for Connection To System	Disposal Fields Approved for Construction	Date Issued
100036-1 (4th Revision)		#5 and #6	8/18/82
100036-1 (6th Revision)	#8		9/28/84
100036-1 (8th Revision)	#9	#1 and #2	4/19/85
100036-1 (9th Revision)	#4		4/23/86
PB-5-0944	#10	#7 and #9	5/4/87
PB-5-1033	#14		1/6/88
PB-5-1076	#13	#8, 10, 11, 12	5/19/88
WW-5-0033	#2		10/18/88
WW-5-0033 (Revised)	#11 and #12		9/11/89

The plans approved by Certification of Compliance EC-1538-5 Revised were prepared by Richard Donaghy, P.E. of Dufresne-Henry Engineering, Inc., and the plans approved for the various modifications to the sewage collection, treatment and disposal system were prepared by Richard Bedard, P.E. and Walter Schwarz, P.E. of Gordon Ainsworth and Associates, Inc. / C.T. Male Associates, Inc.

The system was approved to be constructed according to the approved plans.

SECTION D "SYSTEM OPERATION"

D1. General Operating Requirements:

The sewage treatment and disposal system shall be operated at all times in a manner that will (1) not permit the discharge of sewage onto the surface of the ground; (2) not result in the surfacing of sewage; (3) not result in the direct discharge of sewage into the waters of the State; and (4) not result in a violation of Vermont Water Quality Standards.

In accordance with accepted design practices, the effluent disposal rate to the disposal fields shall not exceed 30,000 gallons per day except as may occur on an occasional basis during normal operation.

D2. Annual Inspection, Report and Implementation Schedule:

A. Annual Inspection:

Annually during the month of April, the permittee shall engage a professional engineer registered in the State of Vermont to make a thorough inspection, evaluation, and report of the complete sewage treatment and disposal system. The engineer's inspection shall include, but not be limited to the following:

1. inspecting the entire collection system, removing manholes covers to observe the condition of the sewers and manholes and noting any signs of inflow or excess infiltration.
2. evaluation of the accumulation of solids and scum in the septic tanks and determining if the septic tanks should be pumped out that year;
3. inspecting all septic tanks that are pumped to verify that outlet baffles are in place;
4. verification of the proper operation of the pumps, alarms and controls in the disposal field dosing pump station.
5. verification that the distribution boxes and splitter boxes are proportioning flows correctly;
6. verification of the alternation of the disposal fields;
7. an evaluation of the flow meter records for the past year;
8. noting any necessary repairs, or maintenance that needs to be performed on the sewage treatment and disposal system.

B. Annual Inspection Report:

By July 1st each year, the permittee shall have a professional engineer submit an annual inspection report including the following items:

1. a complete list of the items inspected and evaluated, and the results of the inspection and evaluations;
2. the measured depths of sludge and scum in each septic tank;
3. tabulation of the monthly water meter readings for the previous year (see Condition E(1)); and
4. a discussion of the recommended repairs and maintenance required.

D2. Annual Inspection, Report and Implementation Schedule (continued):

C. Implementation Schedule:

By August 1st each year, the permittee shall notify the Secretary in writing stating how the engineer's recommendations were or are to be implemented, including a schedule for the required repair and maintenance items which have not yet been completed.

D3. Septage Disposal:

During the system's annual inspection the depth of sludge and scum shall be measured in all septic tanks. The septic tanks shall be pumped if: 1) the sludge is closer than twelve (12) inches to the outlet baffle or; 2) the scum layer is closer than three (3) inches to the septic tank outlet baffle or; 3) if otherwise recommended by the inspecting engineer. The permittee shall notify the Secretary in writing of the name and address of the pumper and the municipal sewage treatment facility or other facility approved by the Secretary where the septage was or is to be disposed.

D4. System Operation and Maintenance:

The sewage collection, treatment, and disposal system shall be operated and maintained at all times in a manner satisfactory to the Secretary and in a manner that will not pose a risk to the public health and safety or cause contamination of drinking water supplies, groundwater and/or surface water.

D5. Reporting of Failures:

The permittee shall immediately report any failure of the sewage collection, treatment, or disposal system to the Secretary, first by telephone within 24 hours of the failure and then in writing within 5 days of the failure. The written notice shall include a discussion of the actions taken or to be taken to correct the failure.

D6. Discharge Restrictions:

The permittee shall not allow any person to discharge or cause to be discharged anything other than sanitary sewage to this collection, treatment and disposal system.

SECTION E "MONITORING"

E1. Water Meter Readings:

The permittee shall record total water meter readings on the first (1st) day of each month. A copy of the records shall be analyzed by the inspecting engineer as part of the annual inspection (see Condition D2), and shall be submitted to the Secretary as part of the annual inspection report. Water meter reading shall be taken at the same time each month to accurately reflect the monthly water use.

E2. Other Requirements:

No other water quality monitoring of the system is required under this permit. However, the Secretary reserves the right to require additional monitoring of the system should operation of the system fail to meet the requirements of Conditions D(1) and D(4).

SECTION F "PUBLIC HEALTH PROTECTION"

This indirect discharge is located near the current Well Head Protection Area for the following water supply sources, as designated by the Commissioner of Health in accordance with EPR Chapter 12 Groundwater Protection Rule and Strategy:

1. Gravel well serving Village on the Green at Stowe Condominiums - WSID #5548
2. Gravel well serving Stowe Athletic Club Development.

This does not imply that these water supplies are adversely affected by this indirect discharge. If future replacement of this system is required, the potential impact on the public water supplies should be evaluated.

SECTION G "COMPLIANCE REVIEW"

If the results of any inspection or monitoring indicate that a violation of the effluent disposal rate, or a violation of the Vermont Water Quality Standards, is occurring, or is likely to occur, the Secretary may require the permittee to take appropriate corrective actions to eliminate or reduce the possibility of a violation.

The issuance of this permit, ID-9-0224, to the Village Green at Stowe Owner's Association by the Secretary relies upon the data, designs, judgement and other information supplied by the applicant, the applicant's consultants and other experts who have participated in the preparation of the application. The Secretary makes no assurance that this system will meet the performance objectives of the applicant and no warranties or guarantees are given or implied.

SECTION H "EFFECTIVE DATE"

This Indirect Discharge Permit, ID-9-0224, issued to the Village Green at Stowe Owner's Association for the discharge of treated sewage from the Village Green Condominiums located in Stowe, Vermont becomes effective on January 1, 2018.

Emily Boedecker, Commissioner
Department of Environmental Conservation

By _____ **DRAFT** _____ Date: _____
Bryan Redmond, Director
Drinking Water and Groundwater Protection Division