

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

**DRAFT INDIRECT  
DISCHARGE PERMIT**

Permit No.: ID-9-0072  
PIN: NS87-0039

**SECTION A - "ADMINISTRATION"**

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

5700 Route 100, LLC  
218 Overlake Drive  
Colchester, VT 05446

is authorized to discharge treated domestic sewage from an existing subsurface disposal system serving Mountain Marketplace, a shopping center in Londonderry, Vermont, to groundwater and indirectly into the West River. **This permit transfers the ownership of Mountain Marketplace from Londonderry Ventures to 5700 Route 100, LLC. under the terms of an individual indirect discharge permit.**

A1. Permit Summary:

Expiration Date	June 30, 2021
Type of Waste	Domestic Sewage
Treatment System	Septic Tanks
Disposal System	Leachfield (Aeration Chambers)
Town	Londonderry
Receiving Water	West River
Design Capacity	12,970 gallons per day
Drainage Area	Approx. 40 sq. mi.
Low Median Monthly Stream Flow (LMMF)	5,849,000 gallons per day (est.)
Dilution Ratio (at LMMF) Stream Flow : Effluent	451 : 1

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 # &amp; Description</u>	<u>Schedule Date</u>
A3. Apply for renewal of Indirect Discharge Permit	March 31, 2021
D2(A). Have a Vermont Registered Professional engineer complete an inspection of sewage collection, treatment and disposal system	Annually in 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 Department of pumping of tanks and septage disposal	As specified

A3. Expiration Date:

This permit, unless revoked, or amended shall be valid until June 30, 2021 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 application for renewal.

The permittee should apply for an Indirect Discharge Permit renewal by March 31, 2021 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 the date of signature.

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 permitted discharge originates. The proposed transferee shall make application for a permit to be reissued in their 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 permittees 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 system.
- 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(s) to the Secretary.

A7. Minor Modifications of Permit:

The Secretary, with the consent of the permittee, may modify this permit without requiring a permit application, a public notice, or a public hearing to correct typographical errors or increase the monitoring frequency.

A8. Indirect Discharge Rules:

This indirect discharge was originally 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 expansion or increase in sewage volume is allowed without the written approval of the Secretary.

A9. Wastewater System and Potable Water Supply Permits:

A Wastewater System and Potable Water Supply permit is required for any new connection to the indirect discharge system.

A10. Right of Department to Inspect:

The permittee shall permit the Secretary or the Secretary's authorized representative upon the presentation of their credentials:

- 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 conditions of this permit;
- c. To inspect any monitoring equipment or method required in this permit;
- d. To sample any discharge of waste, groundwater or surface water; and
- e. To inspect at reasonable times, any collection, treatment, pollution management, disposal facilities or monitoring equipment required by this permit.

A11. 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.

A12. Minor 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 or additions are made.

A13. Correction of Failed Systems:

The Secretary may, upon discretion, issue an Amendment to the Indirect Discharge Permit for the design and 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.

A14. 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 West River drainage basin in the Town of Londonderry, Vermont. The indirect discharge can be located on the USGS Londonderry, Vermont 15' quadrangle map at Latitude N 43° 13' 37" and Longitude W 72° 48' 32".

B2. Nature of Indirect Discharge:

The wastewater is treated in septic tanks before flowing by gravity to a pump station. Wastewater from the restaurant in the complex is also treated in a 1,500-gallon grease interceptor. One pump in the pump station discharges treated effluent to Fields #1 and #2 while the other pump discharges treated effluent to Fields #3 and #4. The disposal area has an approved disposal capacity of 12,970 gallons per day.

**SECTION C "SYSTEM APPROVALS"**

C1. Previous Approvals:

There are no known previous Department approvals for the constructed sewage treatment and disposal system serving the Mountain Marketplace. Certification of Compliance 2W0014-1R, issued May 28, 1985 listed the original authorized connections and design sewage flows for the existing system.

C1. Previous Approvals (continued):

The Londonderry post office modifications to the collection system at the Mountain Marketplace were completed according to the following plans stamped by Robert Harrington, P.E. of Harrington Engineering, Inc.:

<u>SHEET</u>	<u>TITLE</u>	<u>DATE</u>	<u>LAST REVISED</u>
C1	General Site and Utilities Plan	5/8/99	8/3/99
C2B	Site Utilities; Water, Sewer, Gas, Electric	6/9/99	8/3/99
C3	Water and Wastewater System Details	3/22/99	7/8/99

and the document entitled "Mountain Marketplace Londonderry, Vermont Proposed Post Office Construction Specifications for Sewer System."

The replacement of the four disposal fields at Mountain Marketplace was completed in accordance with the following plans stamped by Robert Harrington, P.E. of Harrington Engineering, Inc.:

<u>SHEET</u>	<u>TITLE</u>	<u>DATE</u>	<u>LAST REVISED</u>
1 of 2	Renovation of Pump Chamber & Leachbeds	7/5/11	7/11/11
2 of 2	Renovation of Existing Leachbeds 1, 2, 3, & 4	7/5/11	7/13/11

**SECTION D "SYSTEM OPERATION"**

D1. General Operating Conditions:

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 Water Quality Standards.

In accordance with accepted design practices, the effluent disposal rate to the disposal fields shall not exceed 12,970 gallons per day except as may occur on an occasional basis during normal operation.

D2. Alternation of Fields:

The sewage disposal fields shall be alternated annually, with the alternation occurring during the engineer's annual inspection of the sewage treatment and disposal system.

D3. Annual Inspection, Report and Implementation Schedule:

A. Annual Inspection:

Annually during the month of April, the permittee shall retain a Vermont Registered Professional engineer to make a thorough inspection, evaluation and report of the complete sewage collection, treatment and disposal system.

The engineer's inspection shall include, but not be limited to, the following:

1. evaluation of the accumulation of grease and solids in the grease traps and verifying the cleaning of the grease traps;
2. evaluation of the accumulation of solids and scum in the septic tanks and determining if the septic tanks should be pumped that year;
3. inspecting the entire collection system, removing manhole covers to observe the condition of the sewers and manholes, and noting any signs of inflow or excess infiltration;
4. verification of proper operation of the pumping station pumps, floats, and alarms;
5. verification that the flow is correctly proportioned through the distribution boxes and checking the levelness of all distribution boxes in the disposal fields;
6. checking each observation port to verify that the field is operating properly and measuring the level of any ponding observed;
7. verifying the alternation of the disposal fields; and
8. noting any necessary repairs or maintenance that needs to be performed on the sewage collection, treatment and disposal system.

B. Annual Inspection Report:

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

1. a complete list of the items inspected and the results of the inspection; and
2. a discussion of the recommended repairs and maintenance required.

D3. 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 are to be implemented, including a schedule for the required repair and maintenance items which have not yet been completed.

D4. Inspection Following Flooding:

Following any flooding of the leachfield area that results in any part of the leachfield area being submerged by the West River, the permittee shall have a Vermont registered professional engineer conduct a post-flood inspection to verify that the disposal system is operating properly. The engineer should contact the Department prior to the inspection and provide Department personnel with the opportunity to accompany the engineer on the inspection. The engineer shall provide a written report of the inspection and their findings to the Department within 14 days of the inspection.

D5. Septage Disposal/Grease Trap Cleaning:

During the system's annual inspection, the depth of sludge and scum shall be measured in the 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.

The grease traps at Mountain Marketplace shall be cleaned out on an annual basis.

D6. System Operation and Maintenance:

The wastewater 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 public health and safety, or cause contamination of drinking water supplies, groundwater and/or surface water.



D7. Reporting of Failures:

The permittee shall immediately report any failure of the wastewater 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.

D8. Discharge Restrictions:

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

**SECTION E "MONITORING"**

No water quality monitoring of the system is required under this permit. However, the Secretary reserves the right to require monitoring of the system should operation of the system fail to meet the requirements of Sections D(1) and D(6).

**SECTION F "COMPLIANCE REVIEW"**

If the results of any 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 Indirect Discharge Permit ID-9-0072, to 5700 Route 100, LLC 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 G "EFFECTIVE DATE"**

This Indirect Discharge Permit ID-9-0072, issued to 5700 Route 100, LLC for the discharge of treated domestic sewage from the Mountain Marketplace located in Londonderry, Vermont is effective on this \_\_\_\_ day of October 2017.

Emily Boedecker, Commissioner  
Department of Environmental Conservation

By: \_\_\_\_\_ **DRAFT** \_\_\_\_\_  
Bryan Redmond, Director  
Drinking Water and Groundwater Protection Division