Town of Charlotte
ESTABLISHED 1762

WASTEWATER SYSTEM AND POTABLE WATER SUPPLY PERMIT

LAWS/REGULATIONS INVOLVED
Environmental Protection Rules
Chapter 1, Wastewater System and Potable Water Supply Rules, Effective September 29, 2007 Chapter 21, Water Supply Rules, Effective April 25, 2005

Case Number: WW-138-1209 PIN: EJ12-0147

Landowner: Nicoline and Stuart Sawabini
5 Molly Henry Road
Charlotte, VT 05445

This permit affects property identified as Town Tax Parcel ID# 00059-0005 and referenced in deeds recorded in Book 169 Pages 588-590 of the Land Records in Charlotte, Vermont.

This project, for the construction of a bottomless sand filter style wastewater disposal system to replace an existing, failed system on a parcel located at 5 Molly Henry Road in Charlotte, Vermont, is hereby approved under the requirements of the regulations named above, subject to the following conditions.

GENERAL

1. This permit does not relieve the permittee from obtaining all other approvals and permits as may be required from the Act 250 District Environmental Commission, the Department of Environmental Conservation, Water Supply Division-telephone (802)241-3400, Water Quality Division-telephone (802)241-3770, the Department Public Safety, Division of Fire Safety-telephone Williston Regional Office (802)879-2300, the Department of Health-telephone (802)863-7221, and local officials **prior** to proceeding with this project.

2. The project shall be completed as shown on the following plans which have been stamped "approved" by the Wastewater Management Division:

   Plans: DWG. 1 of 2 "Site Plan with Proposed Water & Wastewater Systems" dated Feb. 20, 2012; and, DWG. 2 of 2 "Water & Wastewater Design Details" dated Feb. 20, 2012 prepared by Stephen Revell, Designer #6259

   The project shall not deviate from the approved plans in a manner that would change or affect the exterior water supply or wastewater disposal system, building location or the approved use of the building without prior written approval from the Wastewater Management Division.

3. The conditions of this permit shall run with the land and will be binding upon and enforceable against the permittee and all assigns and successors in interest. The permittee shall be responsible for the recording of this permit in the Charlotte Land Records within thirty, (30) days of issuance of this permit and prior to the conveyance of the lot subject to the jurisdiction of this permit.

4. Each prospective purchaser of the lot shall be shown copies of the Wastewater System and Potable Water Supply Permit, the approved plans, and

   the Innovative/Alternative System Approval letter for the Bio-Microbics Micro FAST 0.5L System

   prior to conveyance of the lot.

5. This project has been reviewed and approved for the construction of a bottomless sand filter style wastewater disposal system on a 1.2 acre shoreline parcel with a seasonal residence proposed for year round use. The project has also been reviewed and approved for the construction of a drilled, bedrock well to replace a seasonal, surface water supply. The permittee shall not construct any other type of structure requiring plumbing, including public buildings, duplexes, condominium units, or commercial buildings, without prior review and approval by the Wastewater Management Division. Such approvals will not be granted unless the proposal conforms to the applicable laws and regulations.

6. All conditions set forth in Permit #WW-138-1209 shall remain in effect except as modified or amended herein.

7. The Wastewater Management Division now reviews the water supply and wastewater disposal systems for all buildings under 10 V.S.A., Chapter 64-Potable Water Supply and Wastewater System Permit.

8. This permit shall in no way relieve you of the obligations of Title 10, Chapter 48, Subchapter 4, for the protection of groundwater.

9. A copy of the approved plans and this permit shall remain on the project during all phases of construction and, upon request, shall be made available for inspection by State or local personnel.

10. Any lot depicted on the plans and not specifically referenced as being approved for a use requiring a potable water supply and wastewater disposal system shall comply with the

Environmental Protection Rules, Chapter 1, Wastewater System and Potable Water Supply Rules, Effective January 1, 2005, Section 1-403 (a)(5) for the creation of unimproved lots.

WATER SUPPLY & WASTEWATER DISPOSAL

11. No permit issued by the Secretary shall be valid for a substantially completed potable water supply and wastewater system until the Secretary receives a certification from a designer or the installer, signed and dated, that states:

    "I herby certify that, in the exercise of my reasonable professional judgment, the installation-related information submitted is true and correct and the potable water supply and wastewater system were installed in accordance with the permitted design and all permit conditions, were inspected, were properly tested, and have successfully met those performance tests."

    This shall include the water supply and wastewater disposal systems, and, water service and sanitary sewer lines to each structure.

12. The parcel is authorized and required to replace the existing, seasonal surface water supply with a drilled bedrock well water supply system located on site. The Wastewater Management Division shall allow no other method or location of obtaining potable water, including the use of an existing, surface water supply. If the water supply system fails to function properly and becomes a "failed supply' the permittee shall immediately notify the Division.

13. The parcel is approved for an **Innovative/Alternative System** <u>that includes a filtrate , bottomless sand type disposal system</u> provided the installation is routinely and reliably inspected during construction by a licensed designer who has been determined acceptable by the Wastewater Management Division, who shall, upon completion and prior to placing the system in use, report in writing to the Division that the installation was accomplished in accordance with the approved plans and permit conditions. This inspection shall include, but is not limited to:

    A. Each tank, such as septic tank, pump chamber, re-circulating tank, shall be tested and proven watertight by filling to a point at least two inches, but not more than three inches, above the point of the riser connection to the top of the tank. During the test, there shall not be a measurable leakage over a twenty-four (24) hour period.

    B. After installation, the treatment container shall be watertight. The container shall be tested to be watertight by filling to a point at least one foot above the outlet invert, after the outlet has been plugged. There shall not be measurable leakage over a twenty-four (24) hour test period.

C. A user's manual for the **Innovative/Alternative** treatment system shall be developed and provided by the system designer at the time the system "as-built" drawings are completed and submitted to the owner. This shall be in accordance with the Wastewater System and Potable Water Supply Rules, Subchapter 5, Technical Standards for Wastewater Disposal Systems and Potable Water Supplies, 1-519 Sand Filters, (a)(6). The owner of a property where an **Innovative/Alternative System** has been installed shall comply with all the conditions in the **Innovative/Alternative Approval letter** that is incorporated with this permit including a maintenance agreement for the system.

14. A licensed designer, who has been determined acceptable by the Wastewater Management Division, shall perform an annual inspection of the **Innovative/Alternative** treatment system. At a minimum the following criteria should be addressed in the inspection report:

    A. Use and age of system including the average daily flows.

    B. Verification of the re-circulation ratio (if applicable.)

    C. Observation of any mechanical or electrical malfunctions.

    D. Observation of any neglect or improper use.

    E. Observation of the flushing of the laterals (if applicable.)

    A written report of the annual inspection shall be submitted to the Division with 30 days of the inspection following the first and second years of operation.

15. The approved wastewater disposal system has been designed to serve an existing 4-bedroom single-family residence. Prior to any increase in bedrooms beyond 4, the landowner shall submit an application, fee, and engineering plans for review and approval by the Wastewater Management Division.

16. The Wastewater Management Division is to be notified, if at any time the wastewater disposal system fails to function properly and/or creates a health hazard.

17. No buildings, roads, water lines, earthwork, re-grading, excavation or other construction that might interfere with the installation or operation of the wastewater disposal system is allowed on or near the site-specific wastewater disposal system depicted on the approved plans. All isolation distances, which are set forth in the Wastewater System and Potable Water Supply Rules, will be incorporated into the construction and installation of the wastewater disposal field. Compliance with these isolation distances is required.

Dated at Charlotte, Vermont on May 16, 2012

David K. Mears, Commissioner
Department of Environmental Conservation

By_____
Thomas Mansfield
Sewage Control Officer
Town of Charlotte, Vermont

Cc: For the Record
Town of Charlotte
Stephen Revell
Spencer Harris