VERMONT

State of Vermont
Department of Environmental Conservation

Agency of Natural Resources

WASTEWATER SYSTEM AND POTABLE WATER SUPPLY PERMIT

LAWS/REGULATIONS INVOLVED

10 V.S.A. Chapter 64, Potable Water Supply and Wastewater System Permit
Wastewater System and Potable Water Supply Rules, Effective September 29, 2007
Chapter 21, Water Supply Rules, Effective December 1, 2010

Landowner(s): Bruce Barry
1907 Williston Road
South Burlington, Vermont 05403

Permit Number: WW-138-1808
Pin:

This permit affects the following properties in Charlotte, Vermont:

Lot	*Parcel*	*SPAN*	*Acres*	*Book(s)/Page(s)#*
1	00100-5697	138-043-11767	0.73	183/58-59 and 168/90-92

This project, consisting of the replacement of a failed wastewater disposal system only, for the existing residence, located at 5697 Ethan Allen Highway in Charlotte , Vermont, is hereby approved under the requirements of the regulations named above subject to the following conditions.

1. GENERAL

1.1 The project shall be completed as shown on the plans and/or documents prepared by Amanda Raab of Trudell Consulting Engineers, with the stamped plans listed as follows:

Title	*Sheet Number*	*Plan Date*	*Revision Date*
Wastewater Plan	*C3-01*	*08/02/2018*	*8/21/2018*
Sanitary Details	*C8-01*	*08/02/2018*	*N/A*
Sanitary Notes	*C8-02*	*08/02/2018*	*N/A*

1.2 This permit does not relieve the landowner from obtaining all other approvals and permits PRIOR to construction including, but not limited to, those that may be required from the Act 250 Environmental Commission; the Drinking Water and Groundwater Protection Division; the Watershed Management Division; the Division of Fire Safety; the Vermont Department of Health; the Family Services Division; or other State departments and local officials.

1.3 The conditions of this permit shall run with the land and will be binding upon and enforceable against the landowner and all assigns and successors in interest. The landowner shall record and index this permit in the Charlotte Land Records within thirty (30) days of issuance of this permit and prior to the conveyance of any lot subject to the jurisdiction of this permit.

1.4 The landowner shall record and index all required installation certifications and other documents that are required to be filed under these Rules or under a specific permit condition in the Charlotte Land Records and ensure that copies of all certifications are sent to the Secretary.

1.5 No permit issued by the Secretary shall be valid for a substantially wastewater system until the Secretary receives a signed and dated certification from a qualified Vermont Licensed Designer that states:

CHARLOTTE TOWN CLERK'S OFFICE
RECEIVED FOR RECORD
This 21st day of August A.D. 20 18
at 11 o'clock 00 minutes A m and
recorded in vol. 234 on page 529-531
Attest Mary A Mead Town Clerk

> *"I hereby certify that, in the exercise of my reasonable professional judgment, the installation-related information submitted is true and correct and wastewater system was installed in accordance with the permitted design and all the permit conditions, was inspected, was properly tested, and has successfully met those performance tests",*

or which otherwise satisfies the requirements of §1-308 and §1-911 of the referenced rules.

1.6 This project is approved with the existing three bedroom single family residence on the existing 0.73 acre parcel. No alterations to the existing building that would change or affect the water supply or wastewater disposal shall be allowed without prior approval by the Drinking Water and Groundwater Protection Division. Construction of additional nonexempt buildings including commercial and residential buildings is not allowed without prior permitting by the Drinking Water and Groundwater Protection Division and such permit may not be granted unless the proposal conforms to the applicable laws and regulations.

1.7 Each purchaser of any portion of the project shall be shown a copy of the Wastewater System and Potable Water Supply Permit and the stamped plan(s), if applicable, prior to conveyance of any portion of the project to that purchaser.

1.8 By acceptance of this permit, the landowner agrees to allow representatives of the State of Vermont access to the property covered by the permit, at reasonable times, for the purpose of ascertaining compliance with the Vermont environmental and health statutes and regulations, and permit conditions.

1.9 Any person aggrieved by this permit may appeal to the Environmental Court within 30 days of the date of issuance of this permit in accordance with 10 V.S.A. Chapter 220 and the Vermont Rules of Environmental Court Proceedings.

1.10 This permit authorizes the landowner to construct a new wastewater disposal system required to abate a health hazard created by the failure of the existing wastewater disposal system serving the structure/residence. The landowner is required to continue measures to prevent wastewater from surfacing on top of the ground, entering surface waters of the State, or backing up into the existing residence until such time as the approved wastewater disposal system is constructed, activated, and all the conditions of this permit are satisfied. The town may also require steps to mitigate any health hazard associated with the failed system.

1.11 The landowner shall complete construction of the wastewater system approved by this permit **no later than December 1, 2018.** The landowner may request an extension of this deadline, provided the landowner makes the request in writing prior to the above date and shows good cause why construction was not complete by the stated date. If the project is not completed by the required deadline, this permit shall no longer remain valid for the purposes of authorizing the construction of the subject project.

2.WATER SUPPLY

2.1 The project is authorized to utilize the existing water supply system. No changes shall be made to the existing water system unless prior approval is obtained from the Drinking Water and Groundwater Protection Division, unless otherwise exempt. No other means of obtaining potable water shall be allowed without prior review and approval by the Drinking Water and Groundwater Protection Division, unless otherwise exempt. The landowner shall immediately notify the Division if the water supply system fails to function properly and becomes a "failed supply".

3.WASTEWATER DISPOSAL

3.1 This project is approved for the disposal of wastewater in accordance with the design depicted on the stamped plan(s) for a maximum of 420 gallons of wastewater per day. The system(s) shall be operated at all times in a manner that will not permit the discharge of effluent onto the surface of the ground or into the waters of the State. Should the system fail and not qualify for the minor repair or replacement exemption, the current landowner shall engage a qualified Vermont Licensed Designer to evaluate the cause of the failure and to submit an application to this office and receive written approval prior to correcting the failure.

3.2 Variances have been granted from the Technical Standards in accordance with the Wastewater System and Potable Water Supply Rules, Subchapter 1-806(a) for the replacement wastewater system for the purpose of eliminating a health hazard. Certain design aspects of the approved replacement wastewater system may not adhere to the minimum standards required by the Wastewater System and Potable Water Supply Rules. The design flows for this building may not be increased until a fully complying wastewater system design prepared by a qualified Vermont Licensed Designer is submitted for review and approved by the Drinking Water and Groundwater Protection Division.

3.3 The project is approved for the mound wastewater disposal systems provided the mound is constructed in strict accordance with the following conditions:

a. The mound system is to be located and constructed as depicted on the plans that have been stamped by the Drinking Water and Groundwater Protection Division.

b. A qualified Vermont Licensed Designer shall inspect the mound system during critical stages of construction. This shall include the staking of the location of the mound, ensuring the site has been properly plowed prior to placement of the appropriate sand fill, the installation and testing of the distribution piping, final grading of the mound including side slopes, and pump station installation.

c. The construction of the mound shall adhere to the guidelines set forth in Section 1-913(f) of the above referenced rules.

3.4 The components of the sanitary wastewater system herein approved shall be routinely and reliably inspected during construction by a Vermont Licensed Designer (or where allowed, the installer) who shall, upon completion report in writing to the Drinking Water and Groundwater Protection Division that the installation was accomplished in accordance with the referenced plans and permit conditions, as specifically directed in Condition #1.5 herein.

3.5 The corners of the proposed replacement wastewater disposal system shall be accurately staked out and flagged prior to construction with the flagging/staking being maintained until construction is complete.

3.6 The wastewater system for this project is approved for domestic type wastewater only except as allowed for water treatment discharges. No discharge of other type process wastewater is permitted unless prior written approval is obtained from the Drinking Water and Groundwater Protection Division.

3.7 No buildings, roads, water lines, earthwork, re-grading, excavation or other construction that might interfere with the installation or operation of the wastewater disposal systems are allowed on or near the site-specific wastewater disposal system or replacement area depicted on the stamped plans. All isolation distances that are set forth in the Wastewater System and Potable Water Supply Rules shall be adhered to and will be incorporated into the construction and installation of the wastewater disposal field.

Emily Boedecker, Commissioner
Department of Environmental Conservation

By Aaron Brown Dated August 21, 2018

Aaron Brown, Sewage Control Officer
Town of Charlotte, Vermont

Regional Office
Drinking Water and Groundwater Protection Division

APPROVED
SEPTIC DISPOSAL SYSTEM DESIGN
BY AARON BROWN
SEWAGE OFFICER
TOWN OF CHARLOTTE
UNDER DELEGATION AUTHORITY
FROM THE STATE OF VERMONT
WASTEWATER MANAGEMENT DIVISION
DATE: AUGUST 21, 2018

cc: Amanda Raab,Trudell Consulting Engineers
Brian Tremback, Town of Charlotte Septic Consultant *via email*