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): Hinsdale Charlotte Farms, LLC
294 N. Winooski Ave.
Burlington, VT 05401

Permit Number: WW-138-1712
PIN: EJ17-0389

This permit affects properties identified as Town Tax Parcel ID 00020-0286, referenced in a deed recorded in Book 220, Pages 659-661 of the Land Records in Charlotte, Vermont.

This project consists of the abandonment of an existing, failed wastewater disposal system, and the installation of a new mound system to serve the existing seven bedroom home. No change is proposed to the existing design flow of **700 GPD**. The existing 1000 gallon septic tank will remain in place and continue to serve the property. A new 1000 gallon pump station is proposed as part of the system; a 2" PVC force main will convey sewage to the mound, which is designed with two 4' wide trenches. The existing seven bedroom home is served by an on-site well, and no changes are proposed to the water supply system. This project 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 in the original application, and as updated in a cover letter and attachments dated 11/16/2017, prepared by Amanda Raab and John Pitrowiski, P.E. of Trudell Consulting Engineers, Inc. , and with the stamped plans listed as follows:

Sheet Number	Title	Plan Date	Plan Revision Date
C3-01	Wastewater Plan	11/10/2017	11/16/2017
C8-01	Sanitary Details	11/10/2017	11/16/2017
C8-02	Sanitary Notes	11/10/2017	

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 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 completed potable water supply and wastewater system until the Secretary receives a signed and dated certification from a qualified Vermont Licensed Designer (or where allowed, the installer) that states:

> *"I hereby 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 the permit conditions, were inspected, were properly tested, and have 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 for the abandonment of an existing, failed wastewater disposal system, and the installation of a new mound system to serve the existing seven bedroom home. No change is proposed to the existing design flow of **700 GPD**. The existing 1000 gallon septic tank will remain in place and continue to serve the property. A new 1000 gallon pump station is proposed as part of the system; a 2" PVC force main will convey sewage to the mound, which is designed with two 4' wide trenches. The existing seven bedroom home is served by an on-site well, and no changes are proposed to the water supply system. Construction of additional nonexempt buildings, including commercial and residential buildings, is not allowed without prior review and approval by the Drinking Water and Groundwater Protection Division, and such approval will not be granted unless the proposal conforms to the applicable laws and regulations. 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.

1.7 By acceptance of this permit, the landowner agrees to allow representatives of the State of Vermont access to the property subject to this permit, at reasonable times, for the purpose of ascertaining compliance with Vermont environmental/health statutes, regulations, and permit conditions, including performing an inspection of the wastewater disposal and water supply systems serving the structure.

1.8 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.

1.9 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 existing 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.

1.10 The landowner shall complete construction of the new mound system **no later than June 1, 2018.** The landowner may request one extension of this deadline, provided the landowner makes the request in writing prior to the specified date, and shows good cause why construction cannot be completed 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 with an existing design flow of **700 GPD**. 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 **700** 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 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.

3.3 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.

3.4 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.

3.5 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.

3.6 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 _____
Dean Bloch
Interim Sewage Officer
Town of Charlotte

Dated the 27th day of November, 2017.

c Brian Tremback, Lamoureux & Dickinson Consulting Engineers, Inc. *via email*
John Pitrowiski, P.E., Trudell Consulting Engineers, Inc. via email
Will Howard and Irene Hinsdale, via email
Drinking Water and Groundwater Protection Division *via email*