

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): Peter M. Bingham
51 Lakeside Avenue
Burlington VT 05401

Permit Number: WW-4-5198

This permit affects the following property in Underhill, Vermont:

Lot	Parcel	SPAN	Acres	Book(s)/Page(s)#
N/A	LE059	660-209-10403	14.90±	Book:227 Page(s):239-240

This project, to subdivide to create Lot 1 (4.90± acres) with an existing four bedroom single family residence, Lot 2 (5.40± acres) for a proposed five bedroom single family residence, and Lot 3 (4.60± acres) for a proposed three bedroom single family residence, located on Lower English Settlement Road in Underhill, 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 Justin Willis from Willis Design Assoc., Inc., with the stamped plans listed as follows:

Title	Sheet Number	Plan Date	Revision Date
Details 3 Lot Subdivision	D1	02/26/2019	04/01/2019
Details 3 Lot Subdivision	D2	02/26/2019	
Site Plan 3 Lot Subdivision	S1	02/26/2019	04/01/2019
Site Plan 3 Lot Subdivision	S2	02/26/2019	

- 1.2 This permit does not relieve the landowner from obtaining any and all other applicable state and local approvals and permits PRIOR to construction.
- 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 Underhill 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 Underhill 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 Lot 1 is approved with an existing four bedroom single family residence, Lot 2 is approved for the construction of a five bedroom single family residence, and Lot 3 is approved for the construction of a three bedroom single family residence. 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. No construction is allowed that will cause non-compliance with an existing permit.
- 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 plans 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.

2. WATER SUPPLY

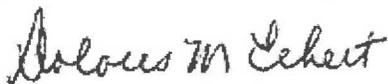
- 2.1 The components of the potable water supply herein approved shall be routinely and reliably inspected during construction by a qualified Vermont Licensed Designer (or where allowed, the installer) who shall, upon completion and prior to occupancy of the associated building, report in writing to 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.
- 2.2 Lot 2 is approved for a potable water supply using a drilled or percussion bedrock well for 560 gallons of water per day provided the supply is located as shown on the stamped plans and meets or exceeds the isolation distances, construction standards, and water quality standards required in the Water Supply Rule.
- 2.3 Lot 3 is approved for a potable water supply using a drilled or percussion bedrock well for 420 gallons of water per day provided the supply is located as shown on the stamped plans and meets or exceeds the isolation distances, construction standards, and water quality standards required in the Water Supply Rule.
- 2.4 The landowner(s) shall operate the potable water supply in a manner that keeps the supply free from contamination. The landowner shall immediately notify the Division if the water supply system fails to function properly and becomes a "failed supply".
- 2.5 The potable water source locations as shown on the stamped plans shall be staked out and flagged by a qualified Vermont Licensed Designer prior to any construction on this project with the flagging being maintained until construction is complete.
- 2.6 Lot 1 is approved with an existing onsite drilled well water supply system for 490 gallons of water per day provided the water supply meets or exceeds the isolation distances, construction standards, and water quality standards required in the Water Supply Rule. The landowner shall operate the potable water supply in a manner that keeps the supply free from contamination.
- 2.7 No changes shall be made to the existing water system unless prior approval is obtained from the Drinking Water and Groundwater Protection Division. 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 The components of the sanitary wastewater system herein approved shall be routinely and reliably inspected during construction by a Vermont Licensed Designer who shall, upon completion and prior to occupancy of the associated building, 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.
- 3.2 Lot 2 is approved for the disposal of wastewater in accordance with the design depicted on the stamped plans for 560 gallons of wastewater per day. The system 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.

- 3.3 Lot 3 is approved for the disposal of wastewater in accordance with the design depicted on the stamped plans for 420 gallons of wastewater per day. The system 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.
- 3.4 Lot 2 and Lot 3 are each approved for the mound wastewater system 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.
- 3.5 The corners of the proposed primary wastewater areas shall be accurately staked out and flagged prior to construction with the flagging/staking being maintained until construction is complete.
- 3.6 Lot 1 is approved with an existing wastewater system for 490 gallons of wastewater per day. No changes shall be made to the existing wastewater system unless prior approval is obtained from the Drinking Water and Groundwater Protection Division.
- 3.7 Should the system(s) 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.
- 3.8 A future replacement wastewater area for Lot 1 has been identified on the stamped plans. There shall be no construction or other activities that would impact the suitability of this replacement area for wastewater disposal.
- 3.9 The replacement wastewater area for Lot 1 is located on Lot 3. The land deeds that establish and transfer ownership of these parcels shall contain a legal easement which grants the purchaser(s) and any future owner(s) the right to enter upon the property for the construction, repair, maintenance and other such reasonable purposes as may arise regarding the wastewater system. Failure to properly execute the easement renders this permit null and void for any lot conveyed without the proper easement.
- 3.10 The wastewater systems for this project are 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.
- 3.11 No buildings, roads, water lines, earthwork, re-grading, excavation or other construction that might interfere with the installation or operation of the wastewater systems are allowed on or near the site-specific wastewater systems 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 systems.

Emily Boedecker, Commissioner
Department of Environmental Conservation



By _____
Dolores M. Eckert, Assistant Regional Engineer
Essex Junction Regional Office
Drinking Water and Groundwater Protection Division

Dated April 1, 2019

cc: Justin Willis
Underhill Planning Commission