

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 April 12, 2019

Landowner(s): KR Properties LLC
 355 Half Mile Road
 Charlotte, VT 05445

Permit Number: WW-4-2694-1
PIN: EJo6-0334

This permit affects property identified as Town Tax Parcel ID 00022-0100 referenced in a deed recorded in Book 166, Page 331 of the Land Records in Charlotte, Vermont.

This project involves an amendment to WW-4-2694 to subdivide the existing 87.4-acre parcel into 9 lots. Lot 1 of 11.28 acres, Lot 2 of 3.91 acres, Lot 3 of 7.11 acres, Lot 4 of 5.82 acres, Lot 5 of 9.96 acres, Lot 6 of 6.99 acres, Lot 7 of 4.59 acres, Lot 8 of 8.25 acres, and Lot 9 of 32.06 acres. Each lot will contain a 5 bedroom single family home. As designed, Lot 1 will have a private leachfield, Lots 2 and 3 will share a mound footprint each with a discrete piping network, and Lots 4 through 9 will share a community mound system. All of the lots will be served by a shared well, located on Lot 9. Please be aware that the proposed well is located within 1 mile of hazardous waste sites 20053363 and 20043200 which have both received SMAC designation.

The 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 prepared by Gunner McCain of McCain Consulting LLC with the stamped plans listed as follows:

Sheet Number	Title	Plan Date	Plan Revision Dates
C-1	Overview	11/10/2017	10/10/2019
C-2	Site Plan – Lot 1	11/10/2017	10/10/2019
C-3	Site Plan – Lots 2, 3, 4	11/10/2017	10/10/2019
C-4	Site Plan – Lots 5, 6, 7, 8, & 9	11/10/2017	10/10/2019
C-5	Septic System Details – Lot 1	11/10/2017	10/10/2019
C-6	Septic System Details – Lots 2&3	11/10/2017	10/10/2019
C-7	Septic System Details – Lots 4, 5, 6, 7, 8, 9	11/10/2017	10/10/2019
C-10	Shared Well & Water Storage Plan	4/16/2019	10/10/2019

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 new drilled wells and new mound systems: Lot 1 with 560 GPD; Lots 2 and 3 with 1,120 GPD; Lots 4, 5, 6, 7, 8, and 9 with 1,830 GPD. 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.
- 1.7 By acceptance of this permit, the landowner agrees to allow representatives of the Town of Charlotte and 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 Procedures.

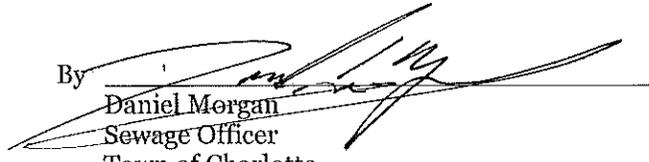
2. WATER SUPPLY

- 2.1 This project is approved for one shared well with a 3,240 GPD capacity, provided the supply is located as shown on the stamped plan(s) and 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. The landowner shall immediately notify the Division if the water supply system fails to function properly and becomes a “failed supply”.
- 2.2 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.
- 2.3 The water source location as shown on the stamped plan(s) 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.

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): Lot 1 with 560 GPD; Lots 2 and 3 with 1,120 GPD; Lots 4, 5, 6, 7, 8, and 9 with 1,830 GPD. The systems 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 any 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 Lots are 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.
 - d. Upon completion of construction, and prior to occupancy of any structure being served by the mound system, the inspecting consultant shall submit to the Drinking Water and Groundwater Protection Division a written certification stating the construction has been completed in accordance with the stamped plans and the permit.
- 3.3 Each purchaser of any portion of Lots 4-9 shall be shown a copy of the Wastewater System and Potable Water Supply Permit, the stamped plan(s), and Innovative/Alternative System Approval Letter #2002-02-R4 for the Eco-flo Biofilter system prior to conveyance of any portion of the project to that purchaser. 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. Each new owner of the property shall inform the Drinking Water and Groundwater Protection Division and vendor within 30 days of the transfer of the property and include the name and mailing address of the new owner.
- 3.4 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 will be incorporated into and shall be adhered to for the construction and installation of the wastewater disposal field.
- 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.

Emily Boedecker, Commissioner
Department of Environmental Conservation

By 
Daniel Morgan
Sewage Officer
Town of Charlotte

Dated the 11th Day of November 2019.

CC: Brian Tremback, Lamoureux & Dickinson Consulting Engineers, Inc. *via email*
Gunner McCain, McCain Consulting
Drinking Water and Groundwater Protection Division *via email*

