

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**Permittee(s): Peggy M. Farr Revocable Trust**
112 Huntington Road
Richmond, VT 05477**Permit Number: WW-4-4789-1**

This permit affects the following property/properties in Richmond, Vermont:

Lot	Parcel	SPAN	Acres	Book(s)/Page(s)#
1			3.69	
2			7.34	
3			6.37	
4			9.06	
5	EH0180	519-163-10510	194.40	Book:136 Page(s):287

This application, consisting of amending WW-4-4789 to subdivide an existing parcel and create Lot 1 of 3.69± acres, to be improved with a 4-bedroom single-family residence served by a filtrate, mound wastewater system and a potable water supply from a drilled well, Lot 2 of 7.34± acres, to be improved with a 4-bedroom single-family residence served by an in-ground wastewater system and a potable water supply from a drilled well, Lot 3 of 6.37± acres, to be improved with a 4-bedroom single-family residence and 1-bedroom accessory apartment served by an in-ground wastewater system and a potable water supply from a drilled well, Lot 4 of 9.06± acres, to be improved with a 4-bedroom single-family residence and 1-bedroom accessory apartment served by an in-ground wastewater system and a potable water supply from a drilled well, and Lot 5 of 194.4± acres, subject to Notice of Permit Requirements, located at 180 East Hill Road, in Richmond, Vermont, is hereby approved under the requirements of the regulations named above subject to the following conditions. 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. GENERAL

- 1.1 The permittee is responsible to record this permit in the Richmond Land Records within 30 days of issuance of this permit and prior to the conveyance of any lot subject to the jurisdiction of this permit.
- 1.2 The permittee is responsible to record the design and installation certifications and other documents that are required to be filed under these Rules or under a permit condition in the Richmond Land Records.
- 1.3 All General conditions set forth in **WW-4-4789**, dated 03/22/2017, shall remain in effect except as amended or modified herein.
- 1.4 Lot 5 is NOT approved for construction at this time. Any deed for this parcel shall contain the following language until a permit has been obtained from the Drinking Water and Groundwater Protection Division: *"Notice of permit requirements. In order to comply with applicable state Rules concerning potable water supplies and wastewater systems, a person shall not construct or erect any structure or building on the lot of land described in this deed if the use or useful occupancy of that structure or building will require the installation or connection to a potable water supply or wastewater system, without first complying with the applicable rules and obtaining any required permit. Any person who*



owns this property acknowledges that this lot may not be able to meet state standards for a potable water supply or wastewater system and therefore this lot may not be able to be improved."

- 1.5 Each assign or successor in interest shall be shown a copy of the Wastewater System and Potable Water Supply Permit and the stamped plan(s) prior to the conveyance of a lot.
- 1.6 The wastewater system includes the use of an Innovative/Alternative treatment component. Each prospective owner of a lot that utilizes the Innovative/Alternative component shall be shown a copy of the **WASTEWATER SYSTEM AND POTABLE WATER SUPPLY INNOVATIVE AND ALTERNATIVE (I/A) TECHNOLOGY GENERAL USE APPROVAL PERMIT #2001-01-R11** for model **AX20RT** prior to conveyance of the lot.
- 1.7 The owner of a lot with an Innovative/Alternative treatment system shall have a valid maintenance contract in force at all times with a vendor-trained and authorized licensed designer or service provider to conduct inspections and maintenance of the System.
- 1.8 The Drinking Water and Groundwater Protection Division relied upon the Vermont Licensed Designer's certification that the design-related information submitted is true and correct and complies with the Wastewater System and Potable Water Supply Rules. This permit may be revoked if it is determined the design of the wastewater system or potable water supply does not comply with these rules.
- 1.9 By acceptance of this permit, the permittee 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.
- 1.10 This permit does not relieve the landowner from obtaining all other approvals and permits from other State Agencies or Departments, or local officials prior to construction.

2. CONSTRUCTION

- 2.1 Construction shall be completed as shown on the plans and/or documents prepared by Jay Renshaw, with the stamped plans listed as follows:

Title	Sheet #	Plan Date	Revision
Randall Farm Subdivision Proposed 5 Lot Subdivision, Final Plat	B-1	06/10/2021	None.
Randall Farm Subdivision 5 Lot Subdivision, Overall Parcel Plan	C-2.0	03/19/2021	04/21/2021
Randall Farm Subdivision 5 Lot Subdivision, Overall Site Plan	C-3.0	03/19/2021	06/09/2021
Randall Farm Subdivision 5 Lot Subdivision, Site Plan	C-4.0	03/10/2021	06/09/2021
Randall Farm Subdivision 5 Lot Subdivision, Wastewater Disposal Plan	C-7.0	03/19/2021	06/09/2021
Randall Farm Subdivision 5 Lot Subdivision, Wastewater Disposal Plan	C-8.0	03/19/2021	06/09/2021
Randall Farm Subdivision 5 Lot Subdivision, Wastewater Disposal Profile Plan	C-9.0	06/14/2021	None.
Randall Farm Subdivision 5 Lot Subdivision, Wastewater Disposal Details	CD-4	06/14/2021	None.
Randall Farm Subdivision 5 Lot Subdivision, Wastewater Disposal Details	CD-5	06/14/2021	None.
Randall Farm Subdivision 5 Lot Subdivision, Wastewater Disposal Details	CD-6	06/14/2021	None.

Randall Farm Subdivision 5 Lot Subdivision, Wastewater Disposal Details	CD-7	06/14/2021	None.
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- 2.2 Construction of wastewater systems or potable water supplies, or buildings or structures (as defined by the Wastewater System and Potable Water Supply Rules), or campgrounds, not depicted on the stamped plans, or identified in this permit, is not allowed without prior approval by the Drinking Water and Groundwater Protection Division.
- 2.3 No buildings, roads, water pipes, sewer services, earthwork, re-grading, excavation, or other construction that might interfere with the operation of the wastewater system or potable water supply are allowed on or near the site-specific wastewater system, wastewater replacement area, or potable water supply depicted on the stamped plans. Adherence to all isolation distances that are set forth in the Wastewater System and Potable Water Supply Rules is required.

3. INSPECTIONS

- 3.1 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) on a Secretary-approved form 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 permit conditions, were inspected, were properly tested, and have successfully met those performance tests."

or which satisfies the requirements of §1-311 of the referenced rules.

- 3.2 A vendor-approved installer or service provider of the Innovative/Alternative treatment system shall provide the Drinking Water and Groundwater Protection Division a start-up report, certifying the Innovative/Alternative System was installed and is functioning in a manner that complies with the vendor requirements within 60 days of installation and usage.
- 3.3 A vendor-approved service provider shall conduct an inspection of the Innovative/Alternative treatment system every six months following installation and use of the treatment system for the initial two years. The inspection report shall be provided to the landowner and submitted to the Division within 60 days of when the inspection is conducted.
- 3.4 Following the initial two years of service, a vendor-approved service provider shall conduct an annual inspection of the Innovative/Alternative treatment system. The inspection report shall be submitted to the Division by December 31st of the year the inspection is conducted.
- 3.5 The Drinking Water and Groundwater Protection Division may require sampling of effluent from the Innovative/Alternative treatment system to confirm the filtrate effluent is being treated to reduce the BOD₅ to 30 mg/L or less and total suspended solids (TSS) to 30 mg/L or less.
- 3.6 The Innovative/Alternative treatment system shall function in accordance with the vendor requirement. The Drinking Water and Groundwater Protection Division shall be immediately notified if the treatment system is not functioning according to the vendor requirements or the effluent quality does not comply with BOD₅ to 30 mg/L or less and total suspended solids (TSS) to 30 mg/L or less.
- 3.7 Prior to the use of the potable water supply, the permittee shall test the water for Arsenic, Escherichia coli (E. coli), Fluoride, Lead, Manganese, Nitrate as N, Nitrite as N, Total Coliform Bacteria, Uranium, Adjusted Gross Alpha Particle Activity, Chloride, Sodium, Iron, Odor and pH. All water quality tests shall be conducted at a laboratory certified by the Vermont Department of Health (a list of which can be found on the VDH website). Results of the water tests shall be submitted to the Drinking Water and Groundwater Protection Division and the Vermont Department of Health prior to use.
- 3.8 Prior to constructing the potable water supply, other than drilling of the water source, the permittee shall submit to the Drinking Water and Groundwater Protection Division a report by a Class 1 or

Class BW Designer that includes the estimated yield of the source, specifications for the pump, and the design flow, design rate, and peak instantaneous demand of the potable water supply. If the estimated yield of the source cannot provide water in a quantity that satisfies the design flow, design rate, and instantaneous peak demand, the permittee shall submit an application to the Drinking Water and Groundwater Protection Division that includes a design prepared by a Class 1 or Class BW Designer for the water distribution system, including sizing calculations, specifications for pumps, hydropneumatic tanks, and storage facilities.

4. DESIGN FLOW

4.1 Lot use and design flows (gpd) shall correspond to the following:

Lot	Building	Building Use / Design Flow Basis	Wastewater	Water
1	Proposed	4-Bedroom Single-Family Residence	490	490
2	Proposed	4-Bedroom Single-Family Residence	490	490
3	Proposed	4-Bedroom Single-Family Residence and 1-Bedroom Accessory Apartment	630	630
4	Proposed	4-Bedroom Single-Family Residence and 1-Bedroom Accessory Apartment	630	630
5	N/A	Subject to Notice of Permit Requirements	None.	None.

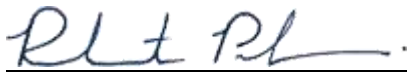
5. WASTEWATER SYSTEM

- 5.1 Prior to construction or site work, a designer shall flag the proposed leachfields, and the owner shall maintain the flags until commencement of construction of the system.
- 5.2 This project includes the approval of the design for a replacement **wastewater system**. Prior to construction of that system, a Licensed Designer shall inspect the designated replacement area to ensure the area has not been disturbed and the native soil remains suitable for the construction of a wastewater system. The corners of the proposed replacement wastewater system shall be accurately staked out and flagged prior to construction with the flagging/staking being maintained until construction is complete. The construction of the replacement wastewater system 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 #3.1 herein.
- 5.3 Designated replacement areas are identified on the stamped plan(s). There shall be no construction or other activities that will affect the suitability of this area for the design and construction of a wastewater system.
- 5.4 The wastewater system to serve Lot 1 is located on adjoining lands. The land deeds that establish and transfer ownership of these lots shall contain permanent legal access which grants future owner(s) the right to enter for the construction, repair, maintenance and other such reasonable purposes as may arise regarding the wastewater system. Failure to properly execute the permanent legal access renders this permit null and void for the purpose of constructing the leachfield. It is recommended that a copy of the executed easement be sent to the Drinking Water and Groundwater Protection Division.
- 5.5 Should any wastewater system fail and not qualify as a minor repair or for an exemption, the landowner shall engage a qualified Licensed Designer to evaluate the cause of the failure and submit an application to the Drinking Water and Groundwater Protection Division, and obtain approval thereof, prior to correcting the failure.
- 5.6 All Wastewater System conditions set forth in **WW-4-4789**, dated 03/22/2017, shall remain in effect except as amended or modified herein.
- 5.7 This permit does not relieve the permittee of the obligations of Title 10, Chapter 48, Subchapter 4, for the protection of groundwater.

6. POTABLE WATER SUPPLY

- 6.1 Prior to construction or site work on a lot, a designer shall flag the center of the proposed potable water sources and the owner shall maintain the flag until commencement of construction of the source.
- 6.2 Should any potable water supply fail and not qualify as a minor repair or for an exemption, the landowner shall engage a qualified Licensed Designer to evaluate the cause of the failure and submit an application to the Drinking Water and Groundwater Protection Division, and obtain approval thereof, prior to correcting the failure.
- 6.3 All Potable Water Supply conditions set forth in **WW-4-4789**, dated 03/22/2017, shall remain in effect except as amended or modified herein.

Peter Walke, Commissioner
Department of Environmental Conservation

By: 

Robert Pelosi
Environmental Analyst VI
Essex Junction Regional Office
Drinking Water and Groundwater Protection Division

Dated June 25, 2021

Enclosure: I/A Approval Letter

cc: Jay Renshaw