



Town of Charlotte

ESTABLISHED 1762

WASTEWATER SYSTEM AND POTABLE WATER SUPPLY PERMIT

LAWS/REGULATIONS INVOLVED

Environmental Protection Rules

Chapter 1, Wastewater System and Potable Water Supply Rules,
Effective September 29, 2007

Chapter 21, Water Supply Rules, Effective April 25, 2005

Case Number: WW-138-1020

PIN: EJ10-0413

Landowner: Petdia II, LLC
1905 Mount Philo Road
Charlotte, VT 05445

This permit affects property identified as Town Tax Parcel ID# 00038-1021 and referenced in deeds recorded in Book 187, Pages 650-651 of the Land Records in Charlotte, Vermont.

This project, consisting of a mound style wastewater disposal system with two disposal mound areas to replace an existing mound system to accommodate a proposed 4 bedroom single family dwelling on the subject property, a 20.2 acre parcel located on Town Line Road in Charlotte, Vermont, is hereby approved under the requirements of the regulations named above, subject to the following conditions.

GENERAL

1. This permit does not relieve the permittee from obtaining all other approvals and permits as may be required from the Act 250 District Environmental Commission, the Department of Environmental Conservation, Water Supply Division-telephone (802)241-3400, Water Quality Division-telephone (802)241-3770, the Department Public Safety, Division of Fire Safety-telephone Williston Regional Office (802)879-2300, the Department of Health-telephone (802)863-7221, and local officials prior to proceeding with this project.
2. The project shall be completed as shown on the following plans which have been stamped "approved" by the Wastewater Management Division:

Dwg. 1 of 6, "Site Plan" dated 09-10-2010; Dwg. 2 of 6, "Design Notes" dated 09-10-2010; Dwg. 3 of 6, "Disposal Area Plan" dated 09-10-2010; Dwg. 4 of 6 "Cabin Wastewater and Water Details, dated 09-10-2010; Dwg. 5 of 6 "House Wastewater and Water Details" dated 09-10-2010, and; Dwg. 6 of 6 "House Treatment and Discharge Details" dated 09-10-2010 prepared by David W. Fuqua, Licensed Designer #280-B.

159 FERRY ROAD P.O. BOX 119 CHARLOTTE, VERMONT 05445-0119

TOWN CLERK: (802) 425-3071 ♦ PLANNING & ZONING: (802) 425-3533 ♦ LISTER: (802) 425-3855 ♦ FAX: (802) 425-4241

The project shall not deviate from the approved plans in a manner that would change or affect the exterior water supply or wastewater disposal system, building location or the approved use of the building without prior written approval from the Wastewater Management Division.

3. The conditions of this permit shall run with the land and will be binding upon and enforceable against the permittee and all assigns and successors in interest. The permittee shall be responsible for the recording of 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.
4. Each prospective purchaser of the lot/unit shall be shown copies of the Wastewater System and Potable Water Supply Permit, the approved plans and

the Innovative/Alternative System Approval letter for the Advantex AX20-RT Textile Filter System

prior to conveyance of the lot.

5. This project has been reviewed and approved for the reconstruction of a 2 bedroom cabin and the future construction of a 4 bedroom single-family dwelling on the subject lot. The permittee shall not construct any type of structure requiring plumbing, including public buildings, duplexes, condominium units, or commercial buildings, without prior review and approval by the Wastewater Management Division. Such approvals will not be granted unless the proposal conforms to the applicable laws and regulations.
6. All conditions set forth in Permit #WW-138-1020 shall remain in effect except as modified or amended herein.
7. The Wastewater Management Division now reviews the water supply and wastewater disposal systems for all buildings under 10 V.S.A., Chapter 64-Potable Water Supply and Wastewater System Permit.
8. This permit shall in no way relieve you of the obligations of Title 10, Chapter 48, Subchapter 4, for the protection of groundwater.
9. A copy of the approved plans and this permit shall remain on the project during all phases of construction and, upon request, shall be made available for inspection by State or local personnel.

10. Any lot depicted on the plans and not specifically referenced as being approved for a use requiring a potable water supply and wastewater disposal system shall comply with the Environmental Protection Rules, Chapter 1, Wastewater System and Potable Water Supply Rules, Effective January 1, 2005, Section 1-403 (a)(5) for the creation of unimproved lots.

WATER SUPPLY & WASTEWATER DISPOSAL

11. No permit issued by the Secretary shall be valid for a substantially completed potable water supply and wastewater system until the Secretary receives a certification from a designer or the installer, signed and dated, 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.”

This shall include the water supply and wastewater disposal systems, and, water service and sanitary sewer lines to each structure.

12. The project is approved for an existing on-site water supply system from a drilled well and a future water supply system from a new drilled well provided that the wells are located as shown on the approved plan. The existing well is approved for connection to the proposed, rebuilt cabin. At such time as the new drilled well is constructed, the cabin will be connected to the new well. The Wastewater Management Division shall allow no other method, or location of obtaining potable water without prior review and approval.
13. The well locations shall meet all minimum separation distances required by the Environmental Protection Rules, Chapter 21, Water Supply Rule, Appendix A, Part 11- Small Scale Water Systems, Section 11.4. The well(s) shall be constructed in accordance with the Appendix A, Part 12.
14. The project is approved for a wastewater disposal by construction and utilization of the site-specific wastewater disposal system depicted on the approved plans. The Wastewater Management Division shall allow no other method, or location of wastewater disposal without prior review and approval.

15. The subject lot is approved for an **Innovative/Alternative System** that includes a filtrate disposal system provided the installation is routinely and reliably inspected during construction by a licensed designer who has been determined acceptable by the Wastewater Management Division, who shall, upon completion and prior to placing the system in use, report in writing to the Division that the installation was accomplished in accordance with the approved plans and permit conditions. This inspection shall include, but is not limited to:
 - A. Each tank, such as septic tank, pump chamber, re-circulating tank, shall be tested and proven watertight by filling to a point at least two inches, but not more than three inches, above the point of the riser connection to the top of the tank. During the test, there shall not be a measurable leakage over a twenty-four (24) hour period.
 - B. After installation, the treatment container shall be watertight. The container shall be tested to be watertight by filling to a point at least one foot above the outlet invert, after the outlet has been plugged. There shall not be measurable leakage over a twenty-four (24) hour test period.
 - C. A user's manual for the **Innovative/Alternative** treatment system shall be developed and provided by the system designer at the time the system "as-built" drawings are completed and submitted to the owner. This shall be in accordance with the Wastewater System and Potable Water Supply Rules, Subchapter 5, Technical Standards for Wastewater Disposal Systems and Potable Water Supplies. 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** that is incorporated with this permit including a maintenance agreement for the system.

16. A licensed designer, who has been determined acceptable by the Wastewater Management Division, shall perform an annual inspection of the **Innovative/Alternative** treatment system. At a minimum the following criteria should be addressed in the inspection report:
 - A. Use and age of system including the average daily flows.
 - B. Verification of the re-circulation ratio (if applicable.)
 - C. Observation of any mechanical or electrical malfunctions.
 - D. Observation of any neglect or improper use.
 - E. Observation of the flushing of the laterals (if applicable.)

A written report of the annual inspection shall be submitted to the Division with 30 days of the inspection following the first and second years of operation.

17. The approved new wastewater disposal system has been designed to serve a 4 bedroom single-family residence. The existing mound style wastewater disposal system is approved for connection to the proposed, rebuilt, 2 bedroom cabin. Prior to any increase in bedrooms, the landowner shall submit an application, fee, and engineering plans for review and approval by the Wastewater Management Division.
18. The Wastewater Management Division is to be notified, if at any time the wastewater disposal system fails to function properly and/or creates a health hazard.
19. No buildings, roads, water lines, or other construction that might interfere with the installation or operation of the wastewater disposal system is allowed on or near the site-specific wastewater disposal system or replacement area depicted on the approved plans. All isolation distances, which are set forth in the Wastewater System and Potable Water Supply Rules, will be incorporated into the construction and installation of the wastewater disposal field. Compliance with these isolation distances is required.

Dated at Charlotte, Vermont on October 7, 2010

Justin G. Johnson, Commissioner
Department of Environmental Conservation

By 
Thomas Mansfield
Sewage Control Officer, Town of Charlotte, Vermont

Cc: For the Record
Town of Charlotte
David Fuqua