

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): Louise Reed Living Trust
Post Office Box 1078
Stowe, VT 05672

Permit Number: WW-5-5087-4

This permit affects the following properties in Waterbury, Vermont:

<i>Lot</i>	<i>Parcel</i>	<i>SPAN</i>	<i>Acres</i>	<i>Book(s)/Page(s)#</i>
<i>A</i>	<i>535-0631</i>	<i>696-221-11892</i>	<i>139.50±</i>	<i>Book:224 Page(s):96</i>

This project, to amend Permit Number #WW-5-5087-3 to subdivide Lot A to create Lot 7 (9.4± acres) for a proposed five bedroom single family residence and Lot 8 (81.7± acres) for a proposed six bedroom single family residence, with each lot served by onsite water supply and a wastewater system using Enviro-Septic® (ES) Pipe Leaching System, located on Bear Creek Lane in Waterbury, 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 John Grenier from Grenier Engineering, PC, with the stamped plans listed as follows:

<i>Title</i>	<i>Sheet Number</i>	<i>Plan Date</i>	<i>Revision Date</i>
<i>Overall Project Site Plan</i>	<i>1 of 3</i>	<i>12/28/2016</i>	
<i>Lot 7 Septic System Site Plan & Details</i>	<i>2 of 3</i>	<i>12/28/2016</i>	
<i>Lot 8 Septic System Site Plan & Details</i>	<i>3 of 3</i>	<i>12/28/2016</i>	

- 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 District 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; other State departments; or 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 Waterbury 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 Waterbury 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 Each purchaser of any portion of the project shall be shown copies of the Wastewater System and Potable Water Supply Permit, the stamped plans, and Innovative/Alternative System Approval letter #2004-02 R3 for Advanced Enviro-Septic (AES), Enviro-Septic® (ES), and Simple Septic® (SS) Pipe Leaching System prior to conveyance of the lot. The Innovative/Alternative Approval contains special requirements that need to be complied with for the project to remain in compliance with this permit.
- 1.7 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.
- 1.8 All conditions set forth in Permit Number #WW-5-5087-3 shall remain in effect except as amended or modified herein.
- 1.9 Lot 7 is approved for the construction of a five bedroom single family residence and Lot 8 is approved for the construction of a six bedroom single family residence. 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. No construction is allowed that will cause non-compliance with an existing permit.
- 1.10 Lot 9 (48.4± acres) 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 disposal systems, a person shall not construct or erect any structure or building on the lot of land described in this deed if the useful occupancy of that structure or building will require the installation or connection to a potable water supply or wastewater disposal system, without first complying with the applicable rules and, if necessary, obtaining the 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 disposal system and therefore this lot may not be able to be improved.”
- 1.11 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.
- 1.12 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 7 is approved for a potable water supply using a drilled or percussion bedrock well for a maximum of 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 8 is approved for a potable water supply using a drilled or percussion bedrock well for a maximum of 630 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 Each 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”.
- 2.5 The water source locations as shown on the stamped plans shall be accurately staked out and flagged prior to any construction on this project with the flagging being maintained until construction is complete.

3. WASTEWATER DISPOSAL

- 3.1 The components of the wastewater system herein approved shall be routinely and reliably inspected during construction by a qualified Vermont Licensed Designer (or when 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.
- 3.2 Lot 7 is approved for the disposal of wastewater in accordance with the design depicted on the stamped plans for a maximum of 560 gallons of wastewater per day.
- 3.3 Lot 8 is approved for the disposal of wastewater in accordance with the design depicted on the stamped plans for a maximum of 630 gallons of wastewater per day.
- 3.4 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. The landowner shall immediately notify the Division if the wastewater system fails to function properly and becomes a "failed system". 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.
- 3.5 Lot 7 and Lot 8 are each approved for the mound wastewater disposal 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, and final grading of the mound including side slopes.
 - c. The construction of the mound shall adhere to the guidelines set forth in Section 1-913(f) of the above referenced rules.
- 3.6 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.
- 3.7 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.
- 3.8 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 disposal systems 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.

Joanna Pallito, Commissioner
Department of Environmental Conservation

By *Dolores M. Eckert*
Dolores M. Eckert, Assistant Regional Engineer
Montpelier Regional Office
Drinking Water and Groundwater Protection Division

Dated January 18, 2017

Enclosures: **Innovative/Alternative System Approval letter #2004-02 R3 for Advanced Enviro-Septic (AES), Enviro-Septic® (ES), and Simple Septic® (SS) Pipe Leaching System**

cc: John Grenier
Waterbury Planning Commission
Innovative/Alternative Manufacturer – Presby Environmental, Inc.



State of Vermont

**Department of Environmental Conservation
Drinking Water & Groundwater Protection Division**

1 National Life Drive – Main 2

Montpelier VT 05620-3521

www.anr.state.vt.us/dec/ww/wwmd.cfm

Agency of Natural Resources

[phone] 802-585-4911

[fax] 802-828-1541

Innovative/Alternative System Approval

General Use per §1-1001 of the

Wastewater System and Potable Water Supply Rules, September 29, 2007

Approval Number 2004-02-R3

Approval Date February 24, 2015

Vendor Information

Presby Environmental, Inc.

143 Airport Road

Whitefield, NH 03598

Technology Name

Advanced Enviro-Septic® (AES);

Enviro-Septic® (ES) and

Simple Septic® (SS) Pipe Leaching System

Contact

David W. Presby, President

Presby Environmental, Inc.

143 Airport Road

Whitefield, NH 03598

Phone (800) 473-5298

Fax (603) 837-9864

Web: www.PresbyEnvironmental.com

Technology Type

Gravelless Pipe Distribution System

for Septic Tank Effluent

Expiration Date

February 23, 2017

Approval

The Advanced Enviro-Septic® (AES), the Enviro-Septic® (ES), and the Simple Septic® (SS) Pipe Leaching Systems may be used as part of a subsurface wastewater disposal system approved under the Wastewater System and Potable Water Supply Rules, effective September 29, 2007 (Rules) under the following conditions:

1. The pipe leaching systems must be designed, installed and operated as described in the Vermont Design and Installation Manual, dated July 2014, filed with the Agency of Natural Resources (Agency).
2. This approval is based on treatment only of domestic wastewater of low and moderate strength as specified in §1-915(a)(1)(C) & (D) of the Rules. No high strength wastewater shall be dispersed using this technology. An AES, ES and SS Pipe Leaching Systems shall not be used as a filtrate effluent disposal system.



3. The system may be used for both new and replacement systems.
4. If the Rules are revised during the term of this approval, this approval shall be revised as needed to conform to the revisions.
5. The Licensed Designer (Designer) shall provide a copy of this approval letter to any landowner who is a prospective purchaser of an AES, ES or SS Pipe Leaching System prior to the sale of the system and prior to the filing of any application for a site-specific approval by the Agency for the purchaser's property. The application filed with the Agency shall include the landowner's written acknowledgement of this approval letter. Prior to any sale of the property or completion of a sales agreement to sell the property, a copy of the site-specific permit shall be provided to the prospective purchaser.
6. When a project is subject to the Rules, site-specific permission for the use of this product is required in the form of a Wastewater System – Potable Water Supply Permit.
7. A site-specific permit for the use of this product may be revoked if the system fails to function properly. Revocation of the permit will require that the use of the building be discontinued unless another wastewater disposal system is installed based on prior written approval by the Agency.
8. This approval is not a representation or guarantee of the effectiveness, efficiency or operation of an AES, ES or SS Pipe Leaching System.
9. Serial distribution shall be limited to 100 feet of pipe along the contour, and 500 feet total.
10. The Advanced Enviro-Septic® (AES) pipe is comprised of corrugated, perforated plastic pipe, Bio-Accelerator® fabric along its bottom which is surrounded by a layer of randomized plastic fibers and a sewn geo-textile fabric which provides over 40 sq. ft. of total surface area. The Enviro-Septic® (ES) pipe is comprised of corrugated, perforated plastic pipe which is surrounded by a layer of randomized plastic fibers and a sewn geo-textile fabric which provides over 25 sq. ft. of total surface area. The Simple Septic® (SS) pipe is comprised of corrugated plastic pipe which is surrounded by a single layer of sewn geo-textile fabric which provides over 15 sq. ft. of total surface area. The limited surface area of the SS as compared with the AES and ES may result in a shorter lifespan than the AES and ES pipe leaching systems.

Landowner Requirements

1. A copy of the permit shall be provided to any prospective purchaser prior to the sale.
2. Each new landowner of the property shall inform the appropriate Regional Environmental Office of the Agency within 30 days of the transfer of the property and include the name and mailing address of the new owner.

Vendor Requirements

1. The vendor shall submit an annual report to the Agency by April 1 of each year containing the following information for the 12 month period ending December 31 of the previous year:
 - A. New permitted systems installed in Vermont for the previous year and shall include:
 - i. Assigned Wastewater Permit Number;
 - ii. Physical and landowner mailing addresses;
 - iii. Name of current landowner;
 - iv. Name of Designer providing the installation certification; and
 - v. Name of installer.
 - B. Existing permitted systems with known changes in ownership shall include the Wastewater Permit Number; the physical and mailing address, and the name of the current landowner.
 - C. All known problems, damages and/or failures, including:
 - i. Description of the issues;
 - ii. Potential/known causes of problems;
 - iii. System operability;
 - iv. Recommended repair/remediation;
 - v. Date(s) of repair/remediation; and
 - vi. System effectiveness.Note: Repairs that are not defined by the Rules as a "Minor Repair" require approval by the Division prior to making the repair.
 - D. A list of names of Designers and Installers trained by the vendor.
2. The vendor shall train and certify Designers and installers in the proper use and installation of the ABS, BS or SS pipe leaching systems.

Design and Review Conditions

The following conditions will be used by the Agency in reviewing permit applications that include an Advanced Enviro-Septic®, Enviro-Septic®, or Simple Septic® Pipe Leaching System:

Design and Application

1. The Designer shall specify which pipe leaching system is to be installed; the Advanced Enviro-Septic®, Enviro-Septic®, or Simple Septic® Pipe Leaching System;
2. The leaching system shall be designed in accordance with the approved Vermont Design and Installation Manual.
3. The designer shall assure that the system will properly function in all seasons.

4. The designer must assess the ventilation path for the particular application and make any necessary provisions to assure proper flow and control of odor emissions.
5. The designer shall provide the landowner with written guidance on the maintenance requirements and homeowner responsibilities in the care and use of an onsite wastewater system according to the AES, ES or SS pipe leaching system requirements for use of the product.
6. The designer shall include in the design a septic tank effluent filter with easy access for inspection and cleaning.

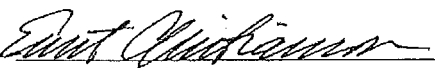
Installation Inspection

1. The specified pipe leaching system shall be installed in accordance with the approved plans and under the instruction and guidance of an installer/inspector trained by the vendor.
2. The leaching system shall be inspected by a Licensed Class 1 Designer or a Licensed Class B Designer, approved by the Vendor, during installation of the system and installation of all tanks before backfilling, and after backfilling and grading is complete. The inspection shall include checking for levelness of the pipes, and inspecting for damage and proper assembly. The Designer shall inspect all transport piping for proper installation and watertightness before backfilling.
3. A letter certifying that the system is correctly installed (including the language specified in §1-308 of the Rules) shall be provided electronically to the vendor and the approving Regional Office that issued the permit.
4. It is acceptable to substitute AES for specified ES or SS pipe; or to substitute ES for specified SS pipe for permitted wastewater designs. The above described substitutions may be accomplished in the installation certification and record drawing. All other substitutions require a Wastewater System and Potable Water Supply Permit amendment.

Permitting

1. The permit shall run with the land.

Effective Date: February 24, 2015

By 
Ernest Christianson
Regional Office Program Manager



WATERBURY MUNICIPAL OFFICE
802.244.7033 OR 802.244.5858
FAX: 802.244.1014
28 NORTH MAIN STREET, SUITE #1
WATERBURY VT 05676
WATERBURYVT.COM

Permit Application # 069-17
Tax Map # 14-057.000
Permit Issuance Date September 27, 2017
Permit Effective Date October 13, 2017

ZONING PERMIT

Applicant: James and Julie Kent
(mail address) 31 Sunrise Road
Boxford, MA 01921

Landowner: (same)

Project: Construct a new single-family
dwelling and garage on an
undeveloped parcel.

Project Lot 7, Bear Creek Lane
Location: Waterbury Center, VT

Your application for a zoning permit has been reviewed by the Zoning Administrator. The proposal, as represented in the attached application, conforms to the requirements of the Zoning Ordinance of the Town/Village of Waterbury and is hereby approved, subject to the representations made in your application. Any change from that indicated on the application must have the approval of the Zoning Administrator.

Title 24 V.S.A. §4465(a) requires a 15-day appeal period for this permit. Provided no appeal has been made within 15 days of the Permit Issuance Date above, this permit is effective on the sixteenth day. The enclosed *Permit Notice Poster* must be posted on your property for the 15-day appeal period within view of a public right-of-way to avoid future appeals.

Any action or construction started prior to the effective date is in violation of the Zoning Ordinance and a penalty may be imposed. All requests made on this permit must be completed within 2 years of the issuance date of this permit. Please note: State permits may be required. The landowner/applicant is advised to contact Peter Kopsco, DEC Permit Specialist, at 802-505-5367, and the appropriate state agencies to determine what permits must be obtained.

This permit is valuable. It is a part of the property records and must be retained.

ZONING PERMIT ISSUED BY:

Dina Bookmyer-Baker
Dina Bookmyer-Baker, Zoning Administrator

Enclosures: Permit Notice Poster –must be posted on property within view of public right-of-way to avoid future appeals. Date to Post: Upon receipt. Date to Remove: Permit Effective Date.

cc: Town Clerk, Listers, & File

PERMIT NOTICE

Address: LOT 7, BEAR CREEK LANE

Applicant: James & Julie Kent

Project: Construct single-family dwelling
& garage in Ridgeline-Hillside-Steep Slope overlay.

Permit/Approval: DRB: RHS overlay review

Date Issued: September 27, 2017

Appeal by: October 12, 2017

For more
information
contact:

Waterbury Municipal Offices
28 North Main Street
Waterbury, VT 05676
802-244-1018 or 802-244-1012

Applicant: This notice shall be displayed on the subject premises and be clearly visible from the public way. Notice shall be displayed at the time of permit issuance and remain until after the permit effective date.