Version: February 2016

# **Shoreland Permit Application**

for a **Shoreland Protection Permit** under Chapter 49A of Title 10, § 1441 *et seq*.

For Shoreland Permitting Use Only

Application Number:

296



<u>Public Notice:</u> At the same time this application is filed with Shoreland Permitting, a copy of this application must be provided to the municipal clerk for posting in the municipality in which the project is located.

Submission of this application constitutes notice that the person in Section A intends to create impervious surface and/or cleared area within the Protected Shoreland Area, and certifies that the project will comply with Chapter 49A of Title 10, § 1441 et seq. All information required on this form must be provided, and the requisite fees (Section G) must be submitted made payable to the State of Vermont, to be deemed complete. Refer to *The Vermont Shoreland Protection Act - A Handbook for Shoreland Development* and related instructions for guidance in completing this application.

be deemed complete. Refer to <i>The Vermont Shoreland Protection</i> for guidance in completing this application.	Act - A Handboo	k for	Shoreland D	Development a	and related ins	tructions
A. Parcel Information	·		The state of the s			1
1. Landowner's Name: DoLess LLC	2				RECEIV	
2a.Physical Address (911 Address): 160 to 162 F	Pine Lane			н	MAYUG	
2b. Town - County: Salisbury - Addison	2	2c. Zip: 05769				
3. SPAN (The School Parcel Account Number is required for your application to be deemed complete. It can be obtained from your: 561-177-10361 property tax bill. If you cannot locate your property tax bill, please obtain this information from your Town Clerk)					61	
4. Phone: 781-784-2498				nillcollins@	haleyaldric	h.com
6. Name of lake/pond: Dunmore Lake - Salisbury			7. Total s	hore frontag	ge: 165.00	(feet)
8. Was the parcel of land created before July 1, 2014?	Yes 1	Vo				
9. Are there wetlands associated with this parcel? Yes No Contact the Wetlands Program: (802) 828-1535 or watershedmanagement.vt.gov/wetlands.htm.						
10. Have you ever applied for a permit with the Department		al Co lo	nservation	associated w	vith this parce	el?
11. What is the surface area of your parcel within the Pasee The Vermont Shoreland Protection Act – A Handbook for Shoreland	rotected Shore Development, App	elanc endix	Area (PS C, Determini	SA): 6,640 ng Lakeside Zon	(square	e feet)
12. What is the surface area of existing impervious surf See The Vermont Shoreland Protection Act – A Handbook for Shoreland	ace on your pa Development, App	arcel endix	within the	PSA: 3,155 Percent Imper	(square	feet)
13. What is the surface area of existing cleared area on See The Vermont Shoreland Protection Act – A Handbook for Shoreland	your parcel w Development, App	ithin endix	the PSA: E, Calculating	6,595 g Percent Clearing	(square	feet)
B. Applicant Contact Information  1. Name: DoLess LLC c/o Maureen Hill Collins					0	
2a. Mailing Address: 60 Furnace Street						
2b. Municipality: Sharon	2c. State: MA	1		2d. Zip: 02	067	
3. Phone: 781-784-2498	4. Email: mhillcollins@haleyaldrich.com					
<ul><li>C. Application Preparer Information (If the individual</li><li>1. Name: same as landowner</li></ul>	preparing the a	pplica	ation is not	the landown	er.)	
2a. Mailing Address:						
2b. Municipality:	2c. State:			2d. Zip:		
3. Phone:	4. Email:					

Version: February 2016

D. P <sub>J</sub> oject Description				
1. Describe the proposed project. For this application to be considered administratively complete you must attach site plans that denote existing and proposed cleared areas and impervious surface and their distances from mean water level, no fewer than three photos of the project area, and dimensions and associated surface areas of cleared areas and impervious surfaces.				
Demolish 2 existing seasonal camp buildings (4 bedrooms total including 1900 square feet of building over land, plus some of bldg #1 is over water). (The buildings have already been demolished. The area has been seeded and covered with hay).				
Construct a garage with a 1 bedroom year-round space over the garage (720 square feet of building footprint), moved back from the water's edge farther than the prior buildings. This will result in 1180 sf less building footprint. There is no "new" impervious surface in this project - there is less.				
A new septic system has been permitted (see attached permit). The installation of the septic as outlined in the permit application requires cutting down five existing trees (see attached sketch and plan; some of the trees are diseased and dangerous).				
See attached photos of the buildings prior to demolition (with descriptions on the back of the photos). Attached sketches show separate current (prior to demolition) and proposed layouts. Attached site plan shows proposed and current overlain.				
<ul> <li>2. For developed parcels, how far is the existing habitable structure from Mean Water Level 0 (feet), and How far will new cleared area or impervious surface be from MWL 26 (feet)?</li> <li>OR         <ul> <li>For undeveloped parcels, how far will new cleared area or impervious surface be from MWL (feet)?</li> <li>See The Vermont Shoreland Protection Act – A Handbook for Shoreland Development, Appendix A – Estimating Mean Water Level</li> </ul> </li> </ul>				
3. Can all new cleared area or impervious surface be set back at least 100 feet from MWL? If no, explain why below (attach support information as needed): Yes No				
Lot is less than 100 feet deep. It is only 0.14 acre in size.				
4a. What is the slope of the project site area: 5.00 % See The Vermont Shoreland Protection Act – A Handbook for Shoreland Development, Appendix B, Determining Slope  4b. Is the slope of the project area less than 20%?  We See The Vermont Shoreland Protection Act – A Handbook for Shoreland Development, Appendix B, Determining Slope				
4c. If no above (4b), describe the measures taken to ensure the slope is stable, resulting in minimal erosion and				
impacts to water quality (attach support information as needed):				
5a. What is the surface area of new impervious surface associated with this project: 0.00 (square feet)  See The Vermont Shoreland Protection Act – A Handbook for Shoreland Development, Appendix F Calculating Percent Impervious Surface  5b. What is the total resulting impervious surface after completion of the project and prior to implementation of best management practices: 2,050.00 (square feet)  For D5b, add A12 to D5a				
5c. Is the total in 5b. 20% or less of the parcel area within the PSA? Yes If yes, skip 5d.				
If 5a is 0, check the n/a box, otherwise divide 5b by A11 and multiply by 100 for percentage. Total percentage =% N/A				
5d. If no above (5c), describe the best management practices used to manage, treat and control erosion from stormwater from the portion of impervious that exceeds 20% (attach support information as needed):				
There is no "new" impervious surface in this project - there is less. The Lot has a seawall along the waters edge limiting erosion. There is also an existing duff area along the southeast corner of the lot. (see attached sketch) and a shrub at waters edge at NW corner of the lot. The driveway area will be gravel. The septic system will have a below ground infiltration system below the gravel drive.				

Version: February 2016 6a. What is the surface area of new cleared area 6b. What is the total resulting cleared area after completion associated with this project: 0.00 (square feet) of the project and prior to implementation of best management practices: 6,595.00 (square feet) See The Vermont Shoreland Protection Act - A Handbook for Shoreland Development, Appendix E, Calculating Percent Clearing For 6b, add A13 to D6a. No 6c. Is the total in 6b. 40% or less of the parcel area within the PSA? Yes If yes, skip 6d. If 6a is 0, check the n/a box, otherwise divide 6b by A11 and multiply by 100 for percentage. Total percentage = N/A 6d. If no above (6c), describe the best management practices used to provide erosion control, bank stability, and wildlife habitat functionally equivalent to clearing less than 40% (attach support information as needed). Other than cutting of some of the trees as required for installation of septic there is no "new" cleared area in this project. The lot was already cleared. Three large trees will remain. The Lot has a seawall along the waters edge limiting erosion and providing bank stability. There is also an existing duff area along the southeast corner of the lot. (see attached sketch) and a shrub at waters edge at NW corner of the lot that will remain. E. Landowner Certification As APPLICANT. I hereby certify that the statements presented on this application are true and accurate and recognize that by signing this application, I agree to complete all aspects of the project as authorized. I understand that failure to comply with the foregoing may result in violation of the Shoreland Protection Act, 10 V.S.A. Chapter 49A, and the Vermont Agency of Natural Resources may bring an enforcement action for violations of the Act pursuant to 1/0 V.S.A. chapter 201. Applicant/Landowner Signature: DolessllC neeun Date: 12May 2016 F. Application Preparer Certification (if applicable) As APPLICATION PREPARER, I hereby certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system. or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information. including the possibility of fine and imprisonment for knowing violations. Application Preparer Signature: \_ Date: G. Additional Required Documentation (Please check to ensure you have completed the following) All sections of the application are complete (or otherwise indicate "not applicable") Application includes site plans denoting existing and proposed cleared area and impervious surface and distances from mean water level Application description includes dimensions and surface areas of cleared areas and impervious surfaces Application includes photos of project area

#### H. Permit Application Fees

Administrative Fee:\$125.00		\$ 125.00
Impervious Area Fee: \$0.50 per square foot	Enter new impervious area as enterd in item (5a.) X .5	\$
Total:		\$

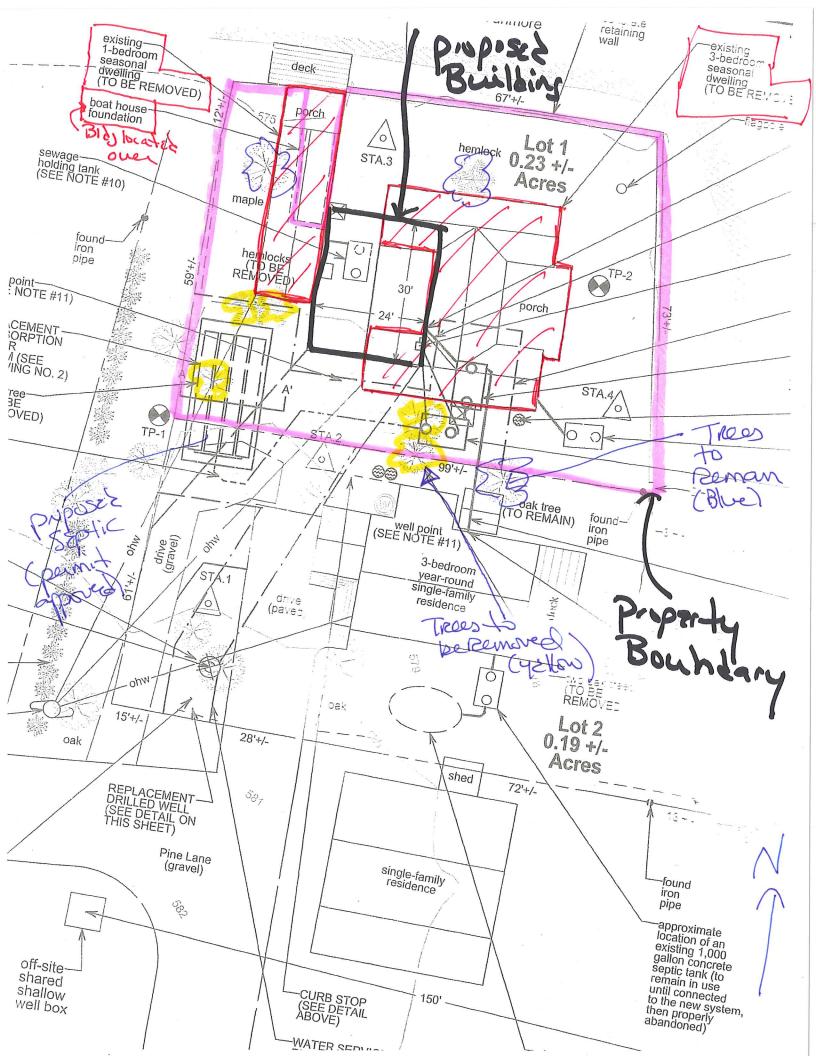
**Print Form** 

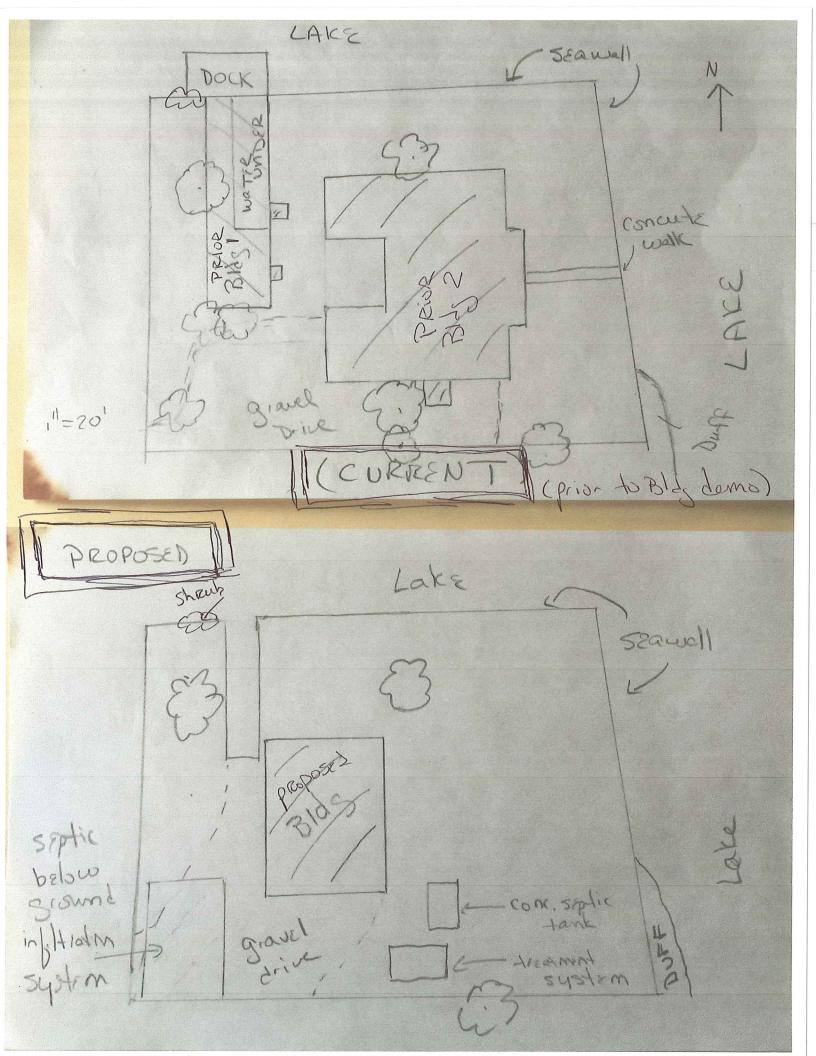
Submit this form and application fee, payable to:

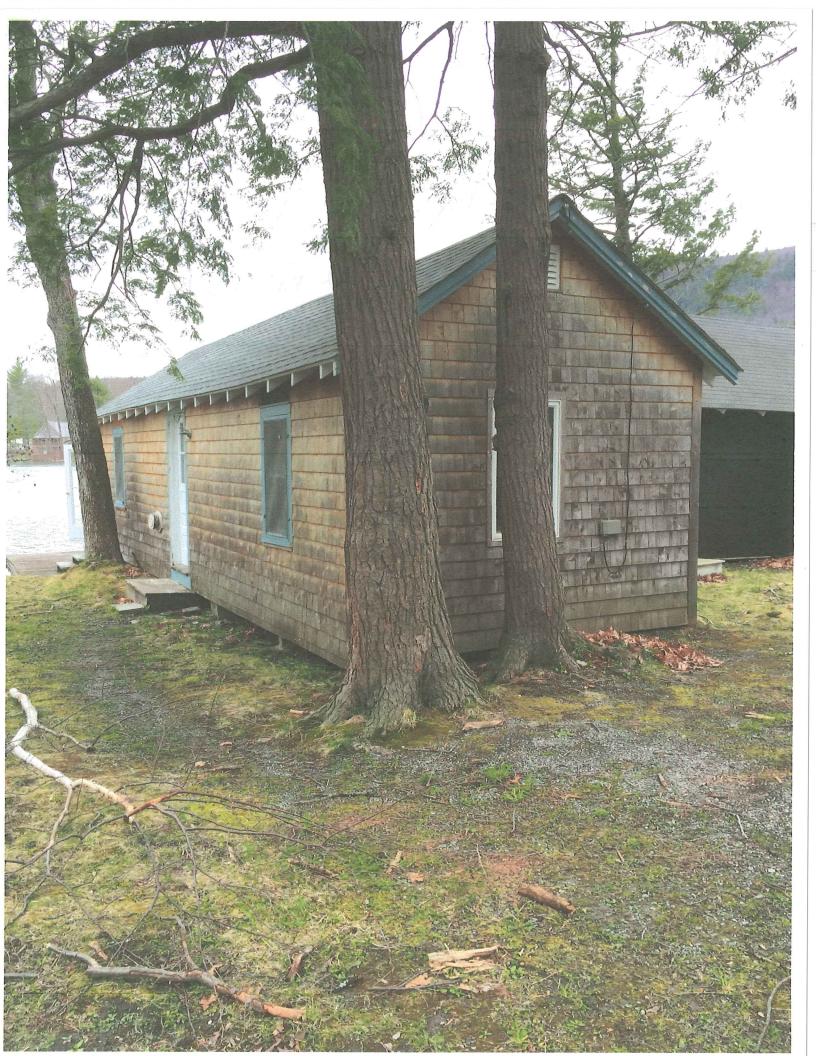
State of Vermont
Vermont Department of Environmental Conservation
Watershed Management Division
Shoreland Permitting
1 National Life Drive, Main 2
Montpelier, VT 05620-3522

Direct all correspondence or questions to Shoreland Permitting

For additional information visit: www.watershedmanagement.vt.gov



















State of Vermont Department of Environmental Conservation

Agency of Natural Resources

## 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:

Doless, LLC

c/o R. Duff and Maureen Hill-Collins

60 Furnace Road Sharon, MA 02067 Permit Number: WW-9-1047-1

PIN: RU07-0282

This permit affects two (2) separate parcels under common ownership which amends Permit Number WW-9-1047, affecting property identified as Town Tax Parcel ID # Salisbury: 13XP148 referenced in a deed recorded in Book 61, Pages 101-103, and affecting property identified as Town Tax Parcel ID # Salisbury: 13XP149 referenced in a deed recorded in Book 53, Pages 76-78 of the Land Records in Salisbury, Vermont.

Site Address	Lot No.	Parcel ID No.	Deed Book	Deed Page
160 & 162 Pine Lane	Lot 1	13XP148	61	101-103
156 Pine Lane	Lot 2	13XP149	53	76-78

This project, consisting of the proposed installation of a replacement drilled bedrock water supply well and a replacement wastewater disposal system, using an ECOPOD-N, Model E-75-N effluent treatment unit, and a pressurized in-ground absorption bed containing High Capacity H-20 Leaching Chambers, to serve a new two (2) bedroom single family residence, located over a garage, on Lot 1=0.23 acres and an existing three (3) bedroom single family residence, on Lot 2=0.19 acres, located at 156, 160 and 162 Pine Lane in Salisbury, Vermont, is hereby approved under the requirements of the regulations named above and subject to the following conditions.

#### 1. GENERAL

This project shall be completed as shown on the application, plans and/or documents prepared by Jason S. Barnard of Barnard and Gervais, LLC with the plans stamped by the Drinking Water and Groundwater Protection Division listed as follows:

Sheet Number	Title	Plan Date	Plan Revision Date
1	Site Plan and Replacement Water System Details	3/09/2016	4/19/2016
2	Replacement Wastewater System Details and Notes	3/09/2016	//

This permit does not relieve the landowner from obtaining all other approvals and permits <u>PRIOR</u> 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.



- 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 Salisbury 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 Salisbury Land Records and ensure that copies of all certifications are sent to the Secretary.
- No permit issued by the Secretary shall be valid for a substantially completed replacement potable water supply and replacement wastewater disposal system until the Secretary receives a signed and dated certification from a qualified Vermont Licensed Class 1 or Class B\* Designer 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 replacement potable water supply and replacement wastewater disposal 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.

- I ot 1=0.23 acres is approved for the demolition of two (2) existing seasonal use camps and the construction of a new building containing a two (2) bedroom year-round single family residence located over a garage. 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.
- 1.7 Lot 2=0.19 acres is approved with an existing three (3) bedroom year-round 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.
- All conditions set forth in **Permit Number WW-9-1047**, dated July 25, 2007 (for Lot 1=0.29 acres) shall remain in effect except as amended or modified herein.
- The landowner shall complete construction of the shared replacement water supply well and shared replacement wastewater disposal system, approved by this permit, by November 3, 2017 or this permit shall be null and void. An extension of the construction completion date may be granted for good cause provided a written request for such an extension is received and granted by the Drinking Water and Groundwater Protection Division prior to the above specified date. The landowner shall implement measures to prevent wastewater from surfacing on top of the ground, entering surface waters of the State, or backing up into the existing building until such time as the approved wastewater system is placed in use and the failed system ceases to be a health hazard. The town may also require steps to mitigate any health hazard associated with the failed system.
- Each purchaser of any portion of this project shall be shown copies of the Wastewater System and Potable Water Supply Permit, the stamped plans, and Innovative/Alternative System Approval letter #2015-03 (Expiration Date: March 30, 2017) for the ECOPOD-N Treatment System, by Delta Environmental Products TM and Innovative/Alternative System Approval letter #2006-04-R2 (Expiration Date: September 22, 2016) for the Infiltrator Leaching Chambers prior to conveyance of any lot. The Innovative/Alternative Approval letters contain special requirements that need to be complied with for this project to remain in compliance with this permit. Please refer to the attached document titled Innovative/Alternative System Approval for the additional requirements that apply.
- 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.
- 1.12 Each new owner of the property shall inform the Drinking Water and Groundwater Protection Division and the Innovative/Alternative product vendors within thirty (30) days of the transfer of the property and include the name and mailing address of the new owner.

- 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.
- Any person aggrieved by this permit may appeal to the Environmental Court within thirty (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 This project is approved for a new shared potable water supply well using a drilled or percussion bedrock well for a combined maximum design flow capacity of **700 gallons** of water per day provided the supply is located as shown on the stamped plans and meets or exceeds the construction standards and water quality standards required in the Water Supply Rule.
- 2.2 The landowner shall operate the shared potable water supply system 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".
- 2.3 The components of the shared potable water supply well and distribution system, herein approved for Lots 1 and 2, shall be routinely and reliably inspected during construction by a qualified Vermont Licensed Class 1 or Class B\* Designer who shall, upon completion and prior to occupancy of the new residence on Lot 1, 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.
- 2.4 The water source location 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.
- Prior to constructing the water supply system, other than drilling of the well, the landowner shall obtain written approval from the Drinking Water and Groundwater Protection Division for the final water system design. The landowner shall submit plans prepared by a qualified Vermont Licensed Class 1 or Class B\* Designer for a shared water distribution system including sizing calculations, specifications for pumps, hydropneumatic tanks, and storage facilities (if necessary), to the Drinking Water and Groundwater Protection Division.
- Prior to the use of the water system, the landowner shall test the water for total coliform bacteria, arsenic, chloride, iron, manganese, nitrate, nitrite, odor, PH, sodium and uranium content and the water quality analyses shall be found to comply with the standards in the Water Supply Rules. 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) to conduct the specific tests. Results of the water tests shall be submitted to the Drinking Water and Groundwater Protection Division for review and approval prior to use.
- 2.7 Prior to the use of the water system, the landowner shall engage a qualified Vermont Licensed Class 1 or Class B\* Designer to pump test the well in accordance with the Water Supply Rules. The results of the test shall be submitted to the appropriate Regional Office. The requirement to pump test the well may be waived by the Drinking Water and Groundwater Protection Division if the Division agrees that the well driller's yield test results satisfy the requirements of the Water Supply Rules.
- 2.8 The potable water supply well, which is to serve Lot 1=0.23 acres, is located on adjacent lands identified as Lot 2=0.19 acres. 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 potable water supply. Failure to properly execute the easement renders this permit null and void for any lot conveyed without the proper easement. It is recommended that a copy of the executed easement be sent to the Drinking Water and Groundwater Protection Division.
- Approval of the shared replacement water supply well and distribution system for this project is granted under the Variance Section of the Water Supply Rule for the purpose of eliminating existing substandard conditions. Aspects of the permitted design may not completely adhere to the minimum isolation standards required by the Water Supply Rule.
- 2.10 The landowner shall abandon the existing water supply wells, located on Lots 1 and 2, in accordance with the Vermont Water Supply Rule and stamped plans. The landowner shall submit the designer's written report to the Drinking Water and Groundwater Protection Division certifying that the abandonment was accomplished in accordance with the approved plans and permit conditions.

### 3. WASTEWATER DISPOSAL

- This project is approved for wastewater disposal by construction and utilization of the site-specific Innovative/Alternative wastewater disposal system design depicted on the stamped plans for a combined maximum design flow capacity of **700 gallons** of wastewater per day. The Drinking Water and Groundwater Protection Division shall allow no other method or location of wastewater disposal without prior review and approval.
- The shared replacement wastewater disposal 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. 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 Class 1 or Class B 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.
- 3.3 The components of the shared replacement wastewater disposal system, herein approved for Lots 1 and 2, shall be routinely and reliably inspected during construction by a qualified Vermont Licensed Class 1 or Class B Designer who shall, upon completion and prior to occupancy of the new residence on Lot 1, 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.
- The corners of the shared replacement wastewater disposal system shall be accurately staked out and flagged prior to construction with the flagging/staking being maintained until construction is complete.
- All parts of the filtrate effluent disposal system must meet the requirements outlined in Subchapter 9 of the Rules.

  The container must be leakage tested under the supervision of a qualified Vermont Licensed Class or Class B Designer as part of the designer's certification requirements. The Operating and Maintenance manual for the Innovative/Alternative treatment unit, prepared by the product vendor, shall be provided to the landowner prior system start-up.
- A qualified Vermont Licensed Class 1 or Class B Designer shall perform all periodic inspections of the Innovative/Alternative treatment system pursuant to the requirements as outlined in the enclosed Innovative/Alternative System Approval Letter. A written report of each inspection shall be submitted to the Drinking Water and Groundwater Protection Division within thirty (30) days of the inspection.
- The replacement wastewater disposal system, which is to serve Lot 2=0.19 acres is located on adjacent lands identified as Lot 1=0.23 acres. 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 disposal system. Failure to properly execute the easement renders this permit null and void for any lot conveyed without the proper easement. It is recommended that a copy of the executed easement be sent to the Drinking Water and Groundwater Protection Division.
- A variance for the shared replacement wastewater disposal system is granted from the Technical Standards in accordance with the Wastewater System and Potable Water Supply Rules, Subchapter 1-806(a). Certain design aspects of the approved replacement wastewater disposal system may not adhere to the minimum standards required by the Wastewater System and Potable Water Supply Rules. The design flows for each building may not be increased until a fully complying wastewater disposal system design prepared by a qualified Vermont Licensed Class 1 or Class B Designer is submitted for review and approved by the Drinking Water and Groundwater Protection Division.
- The landowner shall have the removal/abandonment of the existing wastewater disposal systems on Lots 1 and 2 routinely and reliably inspected by a licensed designer. The landowner shall submit the designer's written report to the Drinking Water and Groundwater Protection Division certifying that the removal/abandonment was accomplished in accordance with the approved plans and permit conditions. Any waste stone and/or soil removed from the system shall be disposed of in compliance with section 1-924 of the 2007 Wastewater System and Potable Water Supply Rules.
- 3.10 The shared replacement wastewater disposal 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.

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 system is allowed on or near the site-specific replacement area depicted on the stamped plans.

Alyssa B. Schuren, Commissioner Department of Environmental Conservation

By

Elias J. Erwin, Assistant Regional Engineer

Rutland Regional Office

Drinking Water and Groundwater Protection Division

Enclosures:

Innovative/Alternative System Approval letter #2015-03 (Expiration Date: March 30, 2017) for the ECOPOD-N Treatment System, by Delta Environmental Products  $^{TM}$ 

Dated April 29, 2016

Innovative/Alternative System Approval letter #2006-04-R2 (Expiration Date: September 22, 2016) for the Leaching Chambers, by Infiltrator Systems, Inc.

cc Salisbury Planning Commission
Jason S. Barnard
Verment Shoreland Protection Program
Delta Environmental Products ™
Infiltrator Systems, Inc.