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:

294



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. A. Parcel Information 1. Landowner's Name: DoLess LLC 2a.Physical Address (911 Address): 160 to 162 Pine Lane MAY 11 6 2016 MeMI 2b. Town - County: Salisbury - Addison 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) 4. Phone: 781-784-2498 5. Email: mhillcollins@haleyaldrich.com 6. Name of lake/pond: Dunmore Lake - Salisbury 7. Total shore frontage: 165.00 (feet) 8. Was the parcel of land created before July 1, 2014? No Are there wetlands associated with this parcel?YesNo Contact the Wetlands Program: (802) 828-1535 or watershedmanagement.vt.gov/wetlands.htm. 10. Have you ever applied for a permit with the Department of Environmental Conservation associated with this parcel? Yes No 11. What is the surface area of your parcel within the Protected Shoreland Area (PSA): 6,640 (square feet) See The Vermont Shoreland Protection Act - A Handbook for Shoreland Development, Appendix C, Determining Lakeside Zone & PSA 12. What is the surface area of existing impervious surface on your parcel within the PSA: 3,155 (square feet) See The Vermont Shoreland Protection Act – A Handbook for Shoreland Development, Appendix F, Calculating Percent Impervious Surface 13. What is the surface area of existing cleared area on your parcel within the PSA: 6,595 (square feet) See The Vermont Shoreland Protection Act - A Handbook for Shoreland Development, Appendix E, Calculating Percent Clearing **B. Applicant Contact Information** 1. Name: DoLess LLC c/o Maureen Hill Collins

Public Notice: At the same time this application is filed with Shoreland Permitting, a copy of this application

	Version: February 2016		
D. P.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 budemolished. The area has been seeded and covered with hay).	uilding over land, plus some of bldg #1 is over water). (The buildings have already been		
Construct a garage with a 1 bedroom year-round space over the garage (720 square feet of built result in 1180 sf less building footprint There is no the wind the project the construction of the project that the project the construction of the project that the project the project that the	Iding footprint), moved back from the water's edge farther than the prior buildings. This will says. Most of the new building will be rebuilt on an existing impervious		
footprint. The new building will create 334 square A new septic system has been permitted (see attached permit). The installation of the septic as 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 ph Attached site plan shows proposed and current overlain. A gravel parking area and gravel description of the photos	otos). Attached sketches show separate current (prior to demolition) and proposed layouts, riveway will be installed on existing impervious surfaces including existing drivew up footprint. The gravel parking/driveway areas will not create new impervious ar		
For developed parcels, how far is the existing habitable How far will new cleared area or impervious surface be			
OR			
For undeveloped parcels, how far will new cleared area See The Vermont Shoreland Protection Act – A Handbook for Shoreland Dev			
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 s	iize.		
· · · · · · · · · · · · · · · · · · ·			
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%? Yes No If yes, skip 4c.		
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):			
See The Vermont Shoreland Protection Act – A Handbook for Shoreland	5b. What is the total resulting impervious surface after completion of the project and prior to implementation of best management practices: 2.050,000 (square feet) For D5b, add A12 to D5a 3,489 sq ft		
5c. Is the total in 5b. 20% or less of the parcel area within t	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 =52.5%			
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):			
Where is nox 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.			

 $1,\!180$ square feet of impervious surface will be removed and will be revegetated . The revegetation will include grass, shrubs and trees.

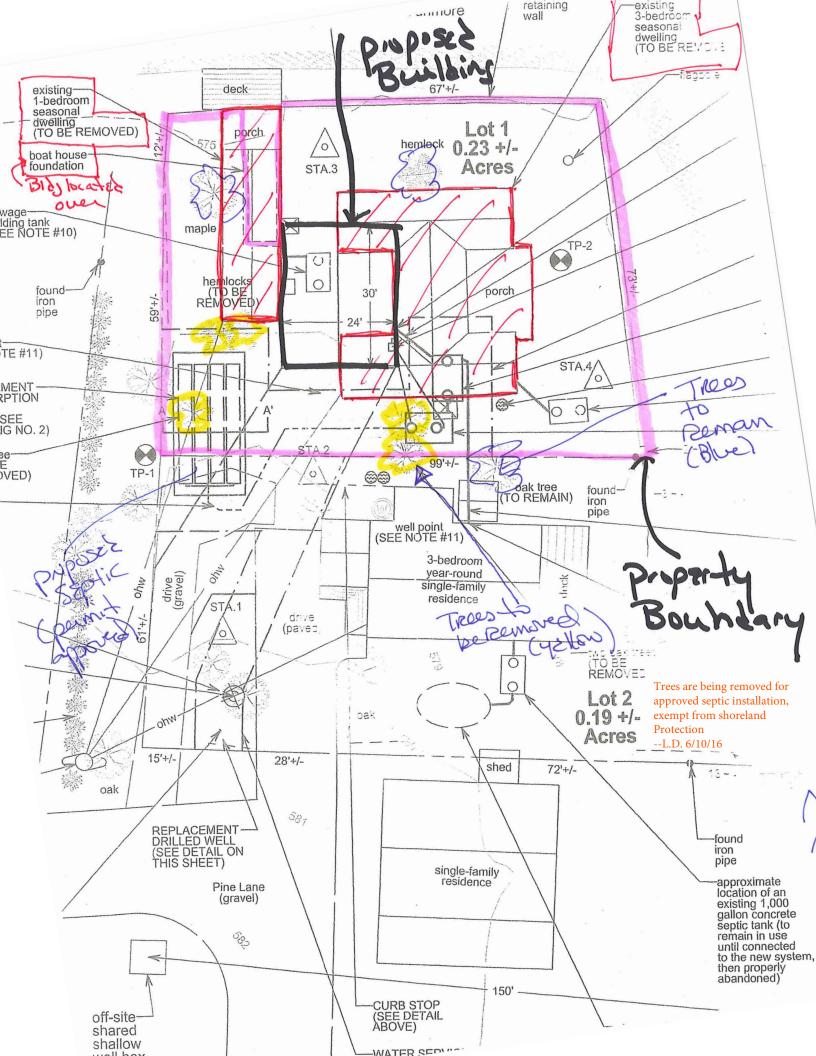
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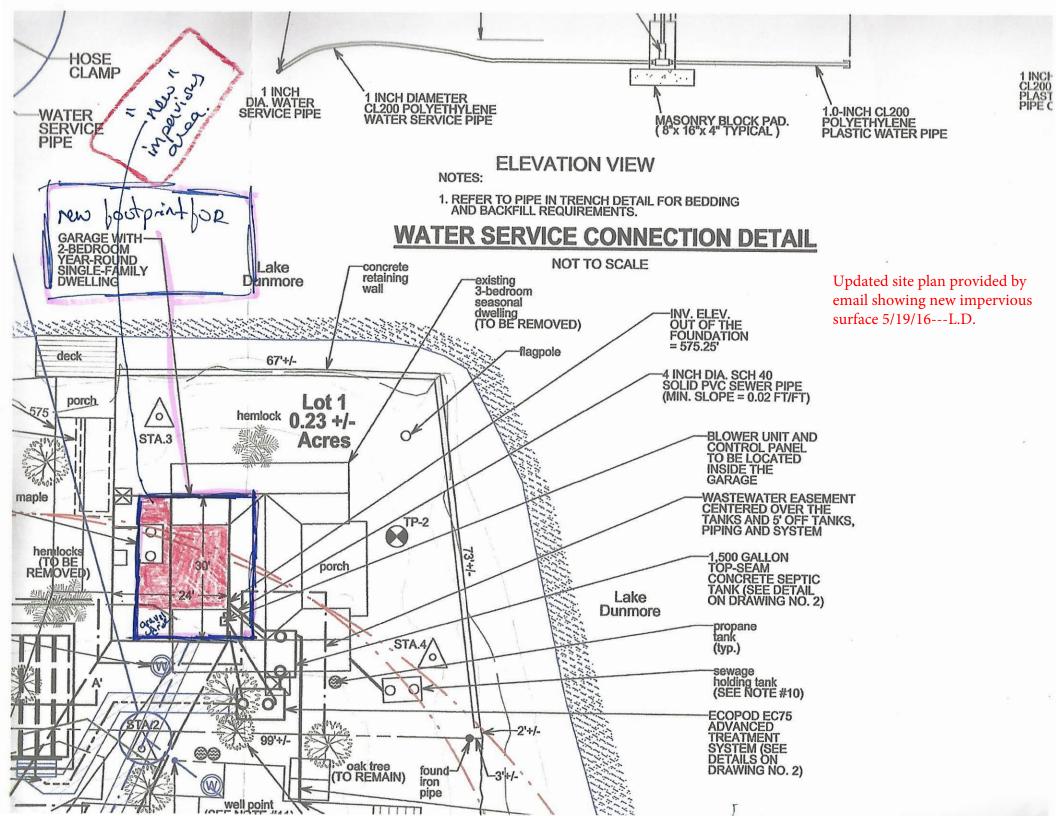
	419	Vers	sion: February 2016
6a. What is the surface area of new cleared associated with this project: 0.00 (square See The Vermont Shoreland Protection Act – A Handbook for Shoreland Development, Appendix E, Calculating Percent C	of the project management	he total resulting cleared area t and prior to implementation t practices: 6,595.00 (square	of best
6c. Is the total in 6b. 40% or less of the parce If 6a is 0, check the n/a box, otherwise divide 6b by A11 and		Tatal assessment of	No N/A
6d. If no above (6c), describe the best mana wildlife habitat functionally equivalent to clear Proposed tree removal is related to septic system installar	aring less than 40% (atta	•	•
Other than cutting of some of the trees as required project. The lot was already cleared. Three la limiting erosion and providing bank stability. T (see attached sketch) and a shrub at waters e	arge trees will remain. T There is also an existing o	he Lot has a seawall along the duff area along the southeast o	waters edge
E. Landowner Certification As APPLICANT, I hereby certify that the stateme by signing this application, I agree to complete all with the foregoing may result in violation of the S of Natural Resources may bring an enforcement Applicant/Landowner Signature:	Il aspects of the project as horeland Protection Act, 1 action for violations of the	authorized. I understand that fai 10 V.S.A. Chapter 49A, and the V Act pursuant to 10 V.S.A. chapte	ilure to comply /ermont Agency
F. Application Preparer Certification (if as APPLICATION PREPARER, I hereby certify under my direction or supervision in accordance gathered and evaluated the information submitte or those persons directly responsible for gatherin and belief, true, accurate, and complete. I am aw including the possibility of fine and imprisonment	under penalty of law that the with a system designed to d. Based on my inquiry of the information, the infoware that there are signification.	o assure that qualified personnel the person or persons who mana frmation submitted is, to the best	properly age the system, of my knowledge
Application Preparer Signature:		Date:	
G. Additional Required Documentation (All sections of the application are comple Application includes site plans denoting distances from mean water level Application description includes dimensional distances includes photos of project are	ete (or otherwise indicate " existing and proposed cle ons and surface areas of c	'not applicable") eared area and impervious surfa	ace and
H. Permit Application Fees	1		
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 \$ \$167.00	
Total:		\$ 292.00	

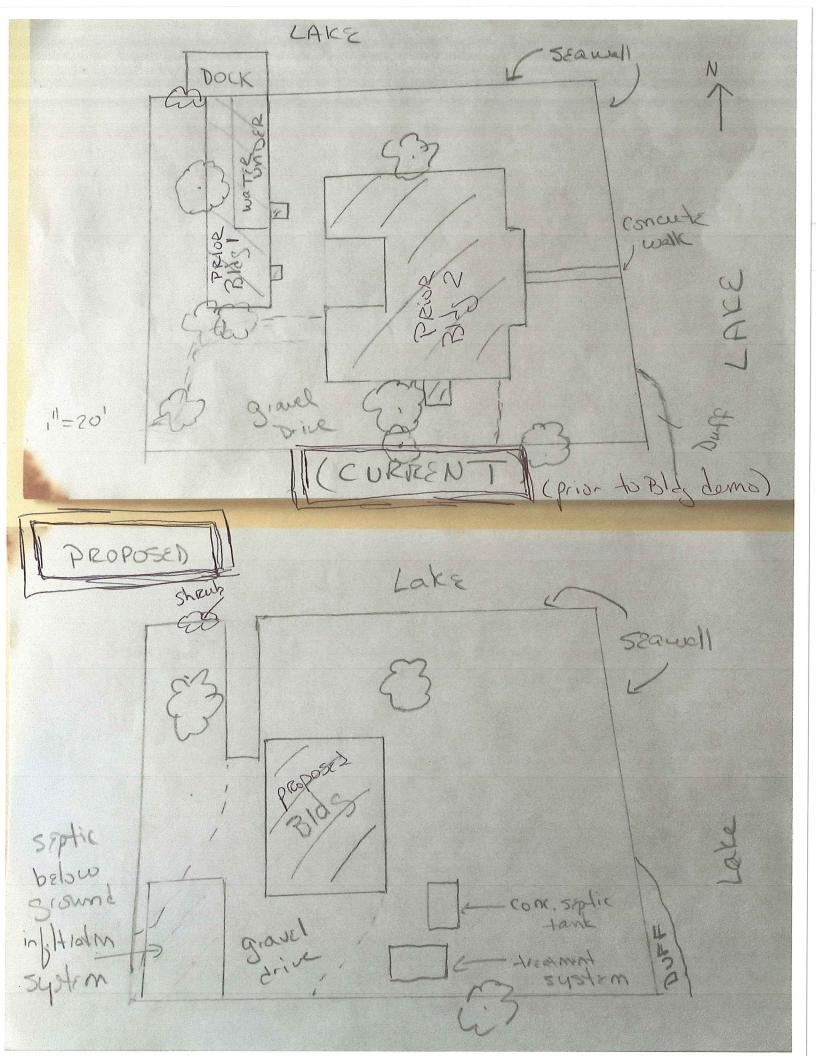
Print Form

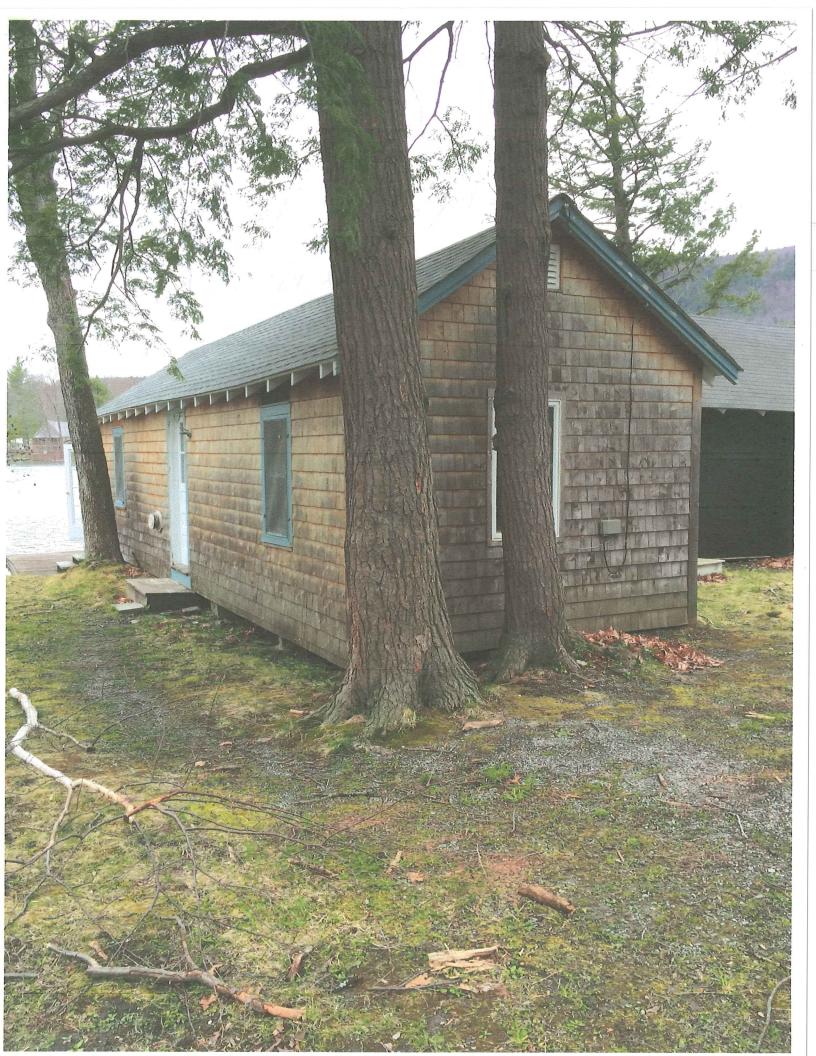
Submit this form and application fee, payable to:

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





















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.

- Lot 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.
- 1.8 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 cases 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.