



VERMONT CONTOURS Inc.

P.O. BOX 384, BRISTOL, VT 05443

4/19/18

Brian Tremback, Engineering Review
Town of Charlotte
Po Box 119
Charlotte, Vermont
05445

Re: Moulton Disposal System 754 Ethan Allen Highway, Charlotte, Vermont

Dear Brian,

I have included the wastewater plans along with the State's wastewater application for the above mentioned residence on Route 7 in Charlotte. As we discussed last fall during our meeting on the property, the owners removed the previous 3-4 bedroom residence and are in the process of rebuilding a new residence. During the process of construction it was determined the older disposal system serving the residence was in need of repair. This proposal includes a replacement disposal system design while also increasing capacity of the residence to 5-bedrooms. Based on the testing performed, the soils are relatively well drained over a shale ledge. In the area proposed for the new disposal system, test pits revealed bedrock at 24" or greater with limited evidence of seasonal high groundwater above the bedrock. I have proposed a prescriptive mound system with 24" of sand below the mound due the ledge found in the test pits. The existing drilled well will remain unchanged at this time. Due to the increase in design flow, Act 145 notification has been completed and sent to the affected landowner to the north. As we discussed on site, this proposal is intended to upgrade an older conventional disposal system that was in place and is proposed as a complying upgrade for the new residence in order to increase the capacity. If you have questions regarding the proposal, please do not hesitate to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Spencer K. Harris". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

Spencer K. Harris, for
Vermont Contours, Inc.

Department of Environmental Conservation
Wastewater System & Potable Water Supply Permit Application

ANR Form 4: Certification Statement for Notification of Overshadowed Property Owners pursuant to the Wastewater System & Potable Water Supply Program

A person submitting an application to the Secretary for a Wastewater System and Potable Water Supply Permit where the proposed project has isolation distances (overshadowing) that extend onto property owned by persons other than the permit applicant shall submit the following certification with the application.

Note: When the property subject to the permit application is owned by more than one person, only one of the landowners must sign this certification statement even though all landowners must sign the permit application itself.

Landowner Certification		
<p><i>I hereby certify that the individual(s) that own property that is overshadowed by my proposed project have been sent by certified mail a copy of the required notification form and the site plan(s) that accurately depicts all isolation distances. I also certify that I attached to this certification form a copy of all certified mail receipts for notifications that were sent to the affected property owners.</i></p>		
<p><i>E. J. [Signature]</i></p> <p>Landowner Signature</p>	<p><i>Christina Metropolitan Inc. Trust</i></p> <p>Print Landowner Name</p>	<p><i>7/12/18</i></p> <p>Certification Date</p>
<p>754 Ethan Allen Highway, Charlotte, VT</p> <p>Property Address or Property Tax ID#</p>		

Property Owners Notified by Certified Mail	
<p>Please list all of the property owners who were sent a notification by certified mail.</p>	
<p>Poulos Family LLC</p> <p>Property Owner Name</p>	<p>30 Deerfield Rd. South Burlington, VT</p> <p>Property Owner Address</p>

Department of Environmental Conservation
Wastewater System & Potable Water Supply Permit Application

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_____	_____	_____
Landowner Signature	Print Landowner Name	Certification Date
754 Ethan Allen Highway, Charlotte, VT		
Property Address or Property Tax ID#		

Property Owners Notified by Certified Mail	
Please list all of the property owners who were sent a notification by certified mail.	
Poulos Family LLC	30 Deerfield Rd. South Burlington, VT
Property Owner Name	Property Owner Address

Drinking Water & Groundwater Protection Division - Permit Application

Wastewater System & Potable Water Supply

**For Office Use Only:**

Application#	PIN#	Date Complete Application Received
<input type="text"/>	<input type="text"/>	<input type="text"/>

General Information:

IMPORTANT: This application form **IS NOT** intended to be printed and filled out by hand. Because of the dynamic nature of the form, it is required that the information be typed directly into the fields using a computer.

In most cases a licensed designer will be required for your project and to help complete this application form. There are also line-by-line instructions available to assist with completing this form: <http://dec.vermont.gov/sites/dec/files/dwgwp/wastewater/pdf/WWApplInstructionsRules.pdf>.

NOTE: We strongly suggest referring to the application instructions while completing this application form.

A. Prior Permits

1 Please enter any prior or related WW permit or Act 250 permit number(s) (if applicable)

B. Project Name

1 Please enter a name that can be used as a reference for the project

C. Landowner Information**Landowner Name**

1 Legal Entity/Organization Name (if the Landowner is a legal entity or organization rather than a person)

2 Landowner First Name (and Middle Initial if appropriate)

3 Landowner Last Name

Landowner Contact Information

4 Mailing Address Line 1

5 Mailing Address Line 2

6 City

7 State/Province

8 Country

9 Zip/Postal Code

10 Email Address

11 Telephone

Landowner Certifying Official Information (if applicable)

12 First Name (and MI if appropriate)

13 Last Name

14 Title

15 Email Address

16 Telephone

[Add Another Landowner](#)

D. Primary Contact Information (if other than Landowner)

1 First Name (and Middle Initial if appropriate)

2 Last Name

3 Company/Organization Name

4 Mailing Address Line 1

5 Mailing Address Line 2

6 City

7 State/Province

8 Country

9 Zip/Postal Code

10 Email Address

11 Telephone

E. Lot(s) Affected by this Project

1 Please list any and all proposed lots or existing parcels that are directly affected by this project. If this application is an amendment to a previous project, please use consistent lot numbers.

(a) Existing or Proposed Lot	(b) Lot Number	(c) SPAN	(d) Parcel ID	(e) Acres	X
Existing	1	138-043-10433	00100-0754	20 ±	
(f) Book Number (ref. 1)	(g) Page Number(s) (ref. 1)	(h) Book Number (ref. 2)	(i) Page Number(s) (ref. 2)	(j) Book Number (ref. 3)	(k) Page Number(s) (ref. 3)
211	490				

(l) Comments

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F. Project Information

1 Project Description

This proposal includes a disposal system upgrade for an existing residence to increase capacity and upgrade an older disposal system in place with a 5-BR mound disposal system. No changes in the water supply are proposed.

2 Total Acreage of Property	3 Town (primary)	4 Town (secondary - if located in more than one town)
	Charlotte	

5 Street Address (911 address if available, otherwise a brief description of the location)

754 Ethan Allen Highway, Charlotte, VT

6 Center of property GPS coordinates - Enter the approximate center of the project coordinates using GPS set for NAD83 or as derived from a map (map must be based on NAD83).

(a) Latitude (in decimal degrees to five decimal places, ex. 44.38181°)	(b) Longitude (in decimal degrees to five decimal places, ex. -72.31392°)
44.34184	73.24370

7 If someone from the Drinking Water & Groundwater Protection Division's Regional Office has been to the property for a site visit, please indicate who visited the property and the date of the visit.

(a) Name of Staff Person	(b) Date of Visit (m/d/yyyy)
Brian Tremback	9/5/2017

G. Application FeePlease refer to the [Application Fee Schedule](#) prior to selecting the Application Fee Code for your project below.

1 Select Application Fee Code	2 Fee Amount Due
(RO1) 560 gpd or less	\$306.25

H. Wastewater System and Water Supply Component Details**Component Information:**

PLEASE READ: The purpose of this section is to provide supplementary information for system components when there are proposed changes to existing conditions or previous permits. In the case that the application includes site plans, the component names on this worksheet must match those on the site plans. If there is a prior permit, the component names must be labeled consistent with plans from the prior permit(s). It is ***required*** that, at a minimum, the following component types must be included for each application: final disposal; pre-treatment (if applicable); building unit(s); water treatment (if applicable); and water source. To add components after the third entry, click the green button labeled "Add Another Component". You may also insert components between components you've already added by clicking the "Insert Component Between" button. For large projects with many components, you may consider using the "Show/Hide Component Set Separator" button to separate sets (or groups) of connected components by naming each set. For additional instructions, please review the appendix to the application instructions: <http://dec.vermont.gov/sites/dec/files/dwgwp/wastewater/pdf/WWApplInstructionsRules.pdf>.

Component 1 Information

Component Group Type	(WW) Final Disposal	Component Type	Mound
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--Component 1 Details--

Component Name	Replacement Mound		
Lot # Physical Location	1	Change Type	New System
WW Design Flow	560	Changes	
I/A Dispersal Type		Comments	
Variance Requested	<input type="checkbox"/>		
Design Approach (select all that apply, press Ctrl and Click to select multiple)	<ul style="list-style-type: none"> Alternative Toilets Constructed Wetlands Existing - Unknown Filtrate Flow equalization No discharge (other than holding tank) Performance based <li style="background-color: #e0f0ff;">Prescriptive Store and dose Subsurface drip distribution Time dosing Wastewater strength 		
Manufacturer			
Model Name			
Model Number			
As-Built Latitude			
As-Built Longitude			

Insert Component Between

Component 2 Information

Show/Hide Component Set Separator

Remove This Component

Component Group Type	Building	Component Type	Building-Unit
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--Component 2 Details--

Component Name	5-br single family residence		
Lot # Physical Location	1	Change Type	Connection to New System
WW Permitted Flow	560	Changes	
WS Permitted Flow	560	Comments	
Flow Basis	Rule		

Insert Component Between

Component 3 Information

Show/Hide Component Set Separator

Remove This Component

Component Group Type	(WS) Source	Component Type	Potable
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--Component 3 Details--

Component Name	Existing Drilled well		
Lot # Physical Location	1	Change Type	Increased Flow (No Construction)
Source Type	Drilled/Driven Well	Changes	
WS Design Flow	560	Comments	
Allocation Approval	<input type="checkbox"/>		
Construction Approval	<input type="checkbox"/>		
Variance Requested	<input type="checkbox"/>		
As-Built Latitude			
As-Built Longitude			

Insert Component Between

Add Another Component

I. Project Plan Reference

1 Please provide the following information for all water supply and wastewater system plans being submitted.

(a) Sheet#	(b) Title	(c) Plan Date	(d) Last Revision Date	
1 of 3	MOULTON Disposal System Upgrade	4/17/2018		X
2 of 3	MOULTON Disposal System Upgrade	4/17/2018		X
3 of 3	MOULTON Details	4/17/2018		X

Add Another Plan Reference

J. Project Scoping Questions

1 Does this project involve the replacement of a failed wastewater system?	<input checked="" type="radio"/> Yes <input type="radio"/> No
2 Does this project involve the replacement of a failed water supply?	<input type="radio"/> Yes <input checked="" type="radio"/> No
3 Does this project involve construction within the buffer for a Class 2 Wetland?	<input type="radio"/> Yes <input checked="" type="radio"/> No
4 Does this project involve construction within a river corridor?	<input type="radio"/> Yes <input checked="" type="radio"/> No
5 Is the property within 250 feet of the mean water level of lakes greater than 10 acres in size?	<input type="radio"/> Yes <input checked="" type="radio"/> No
6 Will the project require a public water supply permit?	<input type="radio"/> Yes <input checked="" type="radio"/> No
7 Is any portion of the proposed wastewater system located in a Water Source Protection Area (SPA) as designated by the Drinking Water & Groundwater Protection Division?	<input type="radio"/> Yes <input checked="" type="radio"/> No
8 Does this project require an Underground Injection Control Permit?	<input type="radio"/> Yes <input checked="" type="radio"/> No
9 Is this project located in a Class A Watershed?	<input type="radio"/> Yes <input checked="" type="radio"/> No
10 If this project is in a Class A Watershed, does the design flow for the project exceed 1,000 gpd or is the project located on the same lot as other buildings, structures, or campgrounds where the total design flow for the lot is greater than 1,000 gpd?	<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> NA
11 Are any of the proposed water sources located within 1 mile of a hazardous waste site as designated by the Waste Management & Prevention Division and identified on the Agency mapping website (if Yes, please submit additional information on the site)?	<input type="radio"/> Yes <input checked="" type="radio"/> No
12 Does any building(s) on the property or the proposed project include any floor drains?	<input checked="" type="radio"/> Yes <input type="radio"/> No
13 If there are existing floor drains, where do they discharge?	
14 Does this project involve only a single family residence with no in-home business?	<input checked="" type="radio"/> Yes <input type="radio"/> No

K. Consultant/Designer Certification**Consultant/Designer Certification & Copyright License**

"I hereby certify that in the exercise of my reasonable professional judgment, the design-related information submitted with this application is true and correct, and that the design included in this application for a permit complies with the Vermont Wastewater System and Potable Water Supply Rules and the Vermont Water Supply Rules.

As the individual who prepared this application, including all documents that are marked as copyrighted, I hereby grant a non-exclusive, limited license to the State to allow the documents to be made available for public review and copying in order to properly implement and operate the permitting programs for Wastewater Systems and Potable Water Supplies, and for no other purposes. As a condition to this license, the State agrees that it will not make any changes to such documents, nor will the State delete any copyright notices on such documents."

HW Designer
Consultant/Designer Role

Spencer Harris
Print Consultant/Designer Name

SMKH
Consultant/Designer Signature

4/19/18
Signature Date

L. Signatures & Acknowledgements of Landowner(s)

This application must be signed by each Landowner listed on the property deed or by individuals with legal authority to sign on behalf of each Landowner. In order to insure compliance with the requirements of the regulations administered by the Department of Environmental Conservation, Drinking Water and Groundwater Protection Division, it may be necessary to visit the property. As this would involve a Department employee entering private property, we request your approval to do so.

If we do visit your property, do you have any special instructions?

call owner ahead 428-2329 / 881-5571

By signing this application, I certify that I am a landowner listed on the property deed or that I have the legal authority to sign on behalf of the landowner. I understand that by signing this application I am granting permission for the Department employees to enter the property, during normal business hours, to insure compliance of the property with the applicable rules of the Department.

I also understand that I am not allowed to commence any site work or construction on this project without written approval from the Department of Environmental Conservation.

If my project utilizes an Innovative/Alternative System or Product, I have received a copy of the Drinking Water & Groundwater Protection Division's approval letter and agree to abide by the conditions of the approval.

I also certify that to the best of my knowledge and belief the information submitted above is true, accurate and complete.

Christina Metropoulos ZAR Trust
Print Landowner Name

Earl Metropoulos Trustee
Landowner Signature

4/18/18
Signature Date

Print Landowner Name

Landowner Signature

Signature Date