

Aaron Brown

RECEIVED

From: Richard Melby <ramelby@gmail.com>
Sent: Monday, October 15, 2018 1:04 PM
To: Aaron Brown
Cc: Jeff Small; Scott Melby
Subject: 172 Jolly Club - Jeff Small

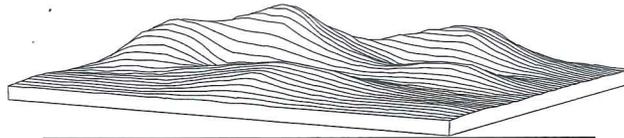
OCT 15 2018
CHARLOTTE
PLANNING & ZONING

Mr Brown -

We've hired JC Small & Co to install a modern septic system at our property located at 172 Jolly Club Rd. Please accept this email as authorization for Jeff Small to act on our behalf for matters related to this project.

Regards,

Richard & Scott Melby
518-377-8683



VERMONT CONTOURS Inc.

P.O. BOX 384, BRISTOL, VT 05443

RECEIVED

OCT 15 2018

CHARLOTTE
PLANNING & ZONING

10/15/18

Brian Tremback, Engineering Review
Aaron Brown, Zoning Administrator
Town of Charlotte
Po Box 119
Charlotte, Vermont
05445

***Re: Melby (Cedar Beach Association) Replacement Disposal System, 172 Jolly Club Road,
Charlotte, VT***

Dear Brian & Aaron,

I have enclosed the replacement septic design for the above mentioned residence on Cedar Beach in Charlotte. As we discussed during a previous site visit on the point, the existing 3-bedroom residence is in the process of transferring with the disposal system upgrade as part of the process. Hand augers performed during our site visit revealed loose sandy loam above bedrock at a shallow depth consistent with much of the area on the 13.7 acre parcel. A filtrate mound disposal system is proposed in the area tested preceded by an Advantex pretreatment unit. The proposed disposal system will require a variance from the current rules but is considered a "best fix" replacement. The current water connection to the residence is from the Cedar Beach Association and will remain unchanged at this time. In summary, this proposed disposal system upgrade is an attempt to prevent future issues from the existing older disposal system and the owners are hoping to install the filtrate mound as soon as feasible. If you have questions regarding the proposal, feel free to contact me. Thank You.

Sincerely,

Spencer K. Harris, for
Vermont Contours, Inc.

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 | | 138-043-10277 | 002550107 | 13.7+- | |
| (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) |
| | | | | | |

(l) Comments

| |
|--|
| |
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F. Project Information

1 Project Description

This proposal includes a replacement septic design to serve 172 Jolly Club Rd w/ no changes to the pre-existing water connection

2 Total Acreage of Property

13.7

3 Town (primary)

Charlotte

4 Town (secondary - if located in more than one town)

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

172 Jolly Club Rd. 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°)

44.29240

(b) Longitude (in decimal degrees to five decimal places, ex. -72.31392°)

73.30178

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

Brian Tremback

(b) Date of Visit (m/d/yyyy)

6/26/2018

G. Application Fee

Please 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

| |
|--|
| |
|--|

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

--Component 1 Details--

| | | | |
|---|--|-------------|------------------------------|
| Component Name | 172 Filtrate Mound | | |
| Lot # Physical Location | | Change Type | Replacement of Failed System |
| WW Design Flow | 420 | Changes | |
| I/A Dispersal Type | General Dispersal | Comments | |
| Variance Requested | <input checked="" 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 <li style="background-color: #e0f0ff;">Filtrate Flow equalization No discharge (other than holding tank) Performance based Prescriptive Store and dose Subsurface drip distribution Time dosing Wastewater strength | | |
| Manufacturer | Orenco Systems, Inc. | | |
| Model Name | AdvanTex (Mode 1) | | |
| Model Number | AX20-RT | | |
| 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 |
|----------------------|----------|----------------|---------------|

--Component 2 Details--

| | | | |
|-------------------------|----------------------|-------------|-----------|
| Component Name | 172 - 3-BR Residence | | |
| Lot # Physical Location | | Change Type | No Change |
| WW Permitted Flow | 420 | Changes | |
| WS Permitted Flow | 420 | 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 | |
|----------------------|-------------|----------------|--|

--Component 3 Details--

| | | | |
|-----------------------|--------------------------------------|-------------|-----------|
| Component Name | Cedar Beach Water service connection | | |
| Source Type | Surface Water | Change Type | No Change |
| WS Design Flow | 420 | Changes | |
| Allocation Approval | <input type="checkbox"/> | Comments | |
| Construction Approval | <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 | MELBY Replacement Septic design | 10/12/2018 | <input type="checkbox"/> |
| 2 of 3 | MELBY Details | 10/12/2018 | <input type="checkbox"/> |
| 3 of 3 | MELBY Pretreatment Details | 10/12/2018 | <input type="checkbox"/> |

Add Another Plan Reference

J. Project Scoping Questions

- 1 Does this project involve the replacement of a failed wastewater system? Yes No
- 2 Does this project involve the replacement of a failed water supply? Yes No
- 3 Does this project involve construction within the buffer for a Class 2 Wetland? Yes No
- 4 Does this project involve construction within a river corridor? Yes No
- 5 Is the property within 250 feet of the mean water level of lakes greater than 10 acres in size? Yes No
- 6 Will the project require a public water supply permit? Yes 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? Yes No
- 8 Does this project require an Underground Injection Control Permit? Yes No
- 9 Is this project located in a Class A Watershed? Yes 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? Yes No 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)? Yes No
- 12 Does any building(s) on the property or the proposed project include any floor drains? Yes 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? Yes 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."

| | | | |
|--------------------------|--------------------------------|--|----------------|
| WW Designer | Spencer K. Harris |  | 10/15/18 |
| Consultant/Designer Role | Print Consultant/Designer Name | Consultant/Designer Signature | Signature Date |

Add Second Consultant/Designer

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?

"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."

| | | |
|--|--|----------------------|
| <input type="text"/> |  | <input type="text"/> |
| Print Landowner Name | Landowner Signature | Signature Date |
| <input type="button" value="Add Landowner Signature Block"/> |  | |

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

ANR Form 5: Certification Statement for Wastewater System & Potable Water Supply Permits when there is no Required Notification of Overshadowed Property Owner(s)

A person submitting an application to the Secretary for a Wastewater System and Potable Water Supply Permit shall use this statement whenever overshadowing notification of affected landowners is not required (see guidance and instructions for examples).

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 "overshadowing" notification is not required either because there is an exemption to the notification requirement or there are no landowners whose property may be affected by the proposed water and wastewater systems.</i></p> | | |
| <p><i>Agent for Richard + Scott Melby</i></p> | | |
| <p>_____ Landowner Signature</p> | <p>JEFF SMALL (FOR CEDAR BEACH ASSOC) _____ Print Landowner Name</p> | <p>_____ Certification Date</p> |
| <p>172 Jolley Club Rd. Charlotte, VT _____ Property Address or Property Tax ID#</p> | | |