

Davidson County Health Department Operations Permit

Caleb Kaufma
Applicant's Name

Subdivision/Section/Lot #

Scott Robbins
Wastewater System Installer

Eric Bauer
Authorized State Agent

12-10-2020
Date

Facility Description: 3 Br home Designed Daily Flow: 360 Maximum Occupancy: 6

Initial System Type: III's Iq1 Repair System Type: III's

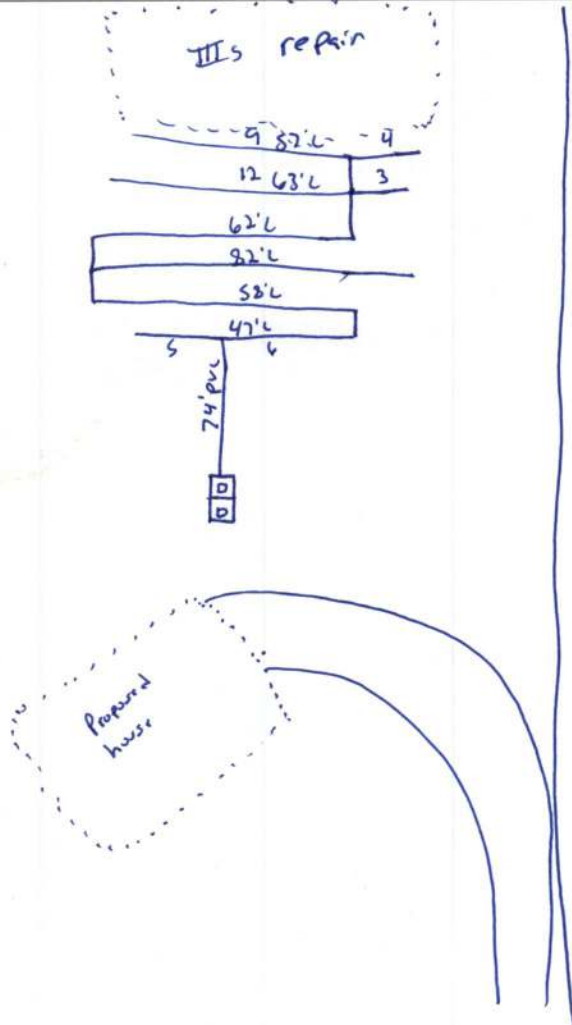
Septic Tank: 16'x16' Filter Type: Pololole

Pump Tank: N/A Pump Model: _____

Nitrification Field (Sq. Ft.) 1107 Nitrification Line (Linear Ft.) 369

Permit Conditions:
hold for csp check, cap vcd

- 11 5-6 47
- 14 58
- 20 92
- 15 62
- 15 63
- 13 57



GENERAL SEPTIC TANK MAINTENANCE

The septic system is an effective, long-standing method for collecting, treating, and disposing of sewage from rural and suburban homes and businesses. Septic systems are used in every county in North Carolina. Nearly 50 percent of the state's homes have them. This fact sheet will answer some typical questions about septic systems and their maintenance.

- Do not put too much water into the septic system; typical water use is about 50 gallons per day for each person in the family.
- Do not add materials (chemicals, sanitary napkins, applicators, and so on) other than domestic wastewater.
- Restrict the use of your garbage disposal.
- Do not pour grease or cooking oils down the sink drain.
- Make a diagram showing the location of your tank, drainfield, and repair area.
- Install a watertight riser over the septic tank to simplify access.
- Have the effluent filter in the septic tank cleaned periodically by a professional.
- Have the solids pumped out of the septic tank periodically.
- Maintain adequate vegetative cover over the drainfield.
- Keep surface waters away from the tank and drainfield.
- Keep automobiles and heavy equipment off the system.
- Do not plan any building additions, pools, driveways, or other construction work near the septic system or the repair area.

The frequency with which you will need to pump depends on three variables: the tank size, the amount of water used by your family, and the solids content of your wastewater. If you are unsure about when to have the tank pumped, have a professional operator observe the rate of solids accumulation in the tank each year. He or she can clean and replace the effluent filter cartridge in the tank at the same time. The tank should be pumped if the sludge layer at the bottom of the septic tank has built up to within 25 to 33 percent of the tank's liquid capacity or if the scum layer in the tank is more than 4 to 6 inches thick. Therefore, a typical 1,000-gallon tank with a 4-foot liquid capacity should be pumped when the solids reach 1-foot thick in the tank bottom. If the tank is not easily accessible and the rate of solids accumulation cannot be checked yearly, then you may wish to inspect and pump it according to the frequency guidelines in Table 1.

Table 1: Estimated Septic Tank Inspection and Pumping Frequency in Years						
Tank Size	(gallons)	Number of People Using the System				
		1	2	4	6	8
900		11	5	2	1	<1
1,000		12	6	3	2	1
1,250		16	8	3	2	1
1,500		19	9	4	3	2

Source: Adapted from "Estimated Septic Tank Pumping Frequency" by Karen Manel, 1984. Journal of Environmental Engineering. Volume 110.

If the septic system is not used very often (as in an infrequently used vacation home with a correctly sized tank), it will probably not need to be pumped as frequently as indicated in Table 1. If you use a garbage disposal, the tank may need to be pumped more frequently. After a few inspections, you should be able to adjust the schedule according to the rate at which solids accumulate.

Davidson County Health Department

Improvement Permit

If the information on the Improvement Permit is falsified, changed, or the site is altered, then the Improvement Permit shall become invalid

Permit is Valid for Five Years

No Expiration Date

Date Rec: 14 Aug 2020

Map Code:

File No: 2020000709

Applicant:

KAUFMAN, CALEB A & DENISE R

Address:

P O BOX 1027
DENTON NC 27239

Daytime Phone:

5058702569

Owner/Legal Representative:

KAUFMAN, CALEB A & DENISE R

Address:

P O BOX 1027
DENTON NC 27239

Daytime Phone:

5058702569

Subdivision:

Map: 27 Lot: 24 Section: Township: 05

Road Name: LIBERTY CHURCH ROAD

Directions to Property: HWY 109 T/R LIBERTY CHURCH RD 2ND DRIVE ON

Facility Type: H New: X Repair: Expansion: Water Supply: Municipal-Existing

No. of Bedrooms: 3 No. of Occupants: 4 Basement: NO Basement Fixtures:

No. of Employees: Other: Projected Daily Flow: 360 GPD

Pump: Yes No Proposed Wastewater System Type: II, GTR shallow conventional

Permit Conditions: see attachments 182

Permit Granted: Permit Denied: Authorized State Agent: Eric Bailey

Date: 10-29-2020

Owner/Legal Representative's Signature: _____

Date: _____

Written Report and Notification of an Improvement Permit Denial

1. I compliance with 15A NCAC 18A.1937(1), the aforementioned property was evaluated pursuant to this section and the permit was denied due to:

- a) Unsuitable topography and landscape position.1940 d) Inadequate soil depth.1943
 b) Unsuitable soil.1941 e) Inadequate space.1945
 c) Soil Wetness Condition.1942 f) Other

2. Suggestions, Modifications, or Alternatives (if available) _____

3. This permit denial may be appealed to the State by the following methods:

- A. Request an informal review by the Dept. of Environmental and Natural Resources.
B. Request an opportunity to gather scientific data and system design on this property and submit the data to the Dept of Environment and Natural Resources at P.O. Box 27687, Raleigh, N.C., 27611-7687.
C. Appeal the decision under G.S. 130A-24 and have this appeal held in Davidson County.

Note: for appeal options (a) or (c) please contact the Health Department for the appropriate forms.

4. If no informal review, technical review, or appeal to the Office of Administrative Hearings is requested within 30 days, this property is denied and Improvement Permit by the Davidson County Health Department at this time.

See Site Plan / Plat on Attached Sheet

Darlington County Health Department

Improvement Permit

If the information on the Improvement Permit is falsified, changed, or the site is altered, then the Improvement Permit shall become invalid

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No Expiration Date

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Authorization to Construct Wastewater System

The Authorization for Wastewater System Construction is subject to revocation if the site plan or plat changes, the intended use of the property changes, or if the site is altered or is misrepresented in any way.

Type of Wastewater System: II_s GTR shallow conventional

Projected Daily Flow: 360 gpd

Wastewater System Requirements

Tank Size: 1000 Pump Tank Size: N/A Square Footage: 1440

Trench Length: 480 Max. Trench Depth: * 15" * Trench Width: 3'

No. of Trenches: see attachment 1 Aggregate Depth: 12" stone

Permit Conditions: see attachments 182 system require 3" soil csp

See Site Plan / Plat On Attached Sheet

Permit Granted: Permit Denied: Authorized State Agent: Eric Bailey

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Owner/Legal Representative's Signature: _____

Date: _____