



Howard County
Health Department

Bureau of Environmental Health

8930 Stanford Boulevard, Columbia, MD 21045

Main: 410-313-2640 | Fax: 410-313-2648

TDD 410-313-2323 | Toll Free 1-866-313-6300

www.hchealth.org

Facebook: www.facebook.com/hocohealth

Maura J. Rossman, M.D., Health Officer

RECEIPT DATE: 5/28/15

ONSITE SEWAGE DISPOSAL SYSTEM

P 556469

APPROVAL DATE: 9/29/2015

PERMIT:

REPAIR

A

PROPERTY ADDRESS: 13517 Argo Drive

BRF w/ BAT

SUBDIVISION: Linden Chapel Hills

LOT: 21

TAX ID: 05-377749

CONTRACTOR: Hatfield's Equipment

EMAIL: ken@@hatfieldsequipment.com

CONTRACTOR ADDRESS: P.O. Box 519, Annapolis Junction, MD 20701

PHONE: 301-490-4289

PROPERTY OWNER: June Kerger and Robert Knaus

EMAIL:

OWNER ADDRESS: 13517 Argo Drive, Dayton, MD 21036

PHONE:

SEPTIC TANK SIZE (GALLONS): Norweco

TNT LP 500/600 PUMP CHAMBER CAPACITY (GALLONS):

N/A

PUMP SIZE: N/A

NUMBER OF BEDROOMS: 3

HOUSE SQ. FT.

APPLICATION RATE:

DISTRIBUTION SYSTEM: GRAVITY FED



LOW PRESSURE DOSED



TRENCHES:	LINEAR FEET REQUIRED: <u>126'</u>	INLET DEPTH: <u>4'</u>
	TRENCH WIDTH: <u>3'</u>	MAXIMUM BOTTOM DEPTH: <u>6'</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>10'</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>5'</u>
LOCATION:	TO BE STAKED BY SANITARIAN DURING PRE-CONSTRUCTION INSPECTION.	
NOTES:	<u>41' } Trenches</u> <u>42' }</u> <u>43' }</u>	

ISSUED BY:

K. Wolf

ISSUE DATE:

8/18/15

EXPIRATION DATE:

8/18/16

NOTE: CONTRACTOR MUST SCHEDULE A PRE-CONSTRUCTION INSPECTION PRIOR TO BEGINNING ANY INSTALLATION

NOTE: CONTRACTOR MUST SCHEDULE AN INSPECTION AND GAIN APPROVAL OF ALL COMPONENTS PRIOR TO COVERING

NOTE: STONE MUST BE APPROVED BY HEALTH DEPARTMENT AND GRAVEL TICKET MUST BE AVAILABLE FOR REVIEW.

NOTE: WATERTIGHT SEPTIC TANKS REQUIRED

NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE AT LEAST 100 FEET DOWNGRADE FROM ANY WATER WELL

NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS

NOTE: AN ELECTRICAL PERMIT IS REQUIRED FOR INSTALLATION OF ANY ELECTRICAL COMPONENTS OF THE SYSTEM



ELECTRICAL PERMIT ISSUED

E

15004563

NOTE: THE HCHD DOES NOT WARRANTY ANY SYSTEM AND CANNOT GUARANTEE THE PERFORMANCE OF THIS SYSTEM AS DESIGNED. BY ACCEPTING THIS PERMIT, THE OWNER AND/OR APPLICANT ACKNOWLEDGE THAT THE SPECIFICATIONS DETAILED IN THIS DESIGN ARE ONE POSSIBLE OPTION AND THAT THE HCHD WILL REVIEW OTHER PROPOSALS. YOU HAVE THE OPTION TO SEEK THE ADVICE OF A QUALIFIED DESIGN CONSULTANT OR PROFESSIONAL ENGINEER FOR FURTHER GUIDANCE.

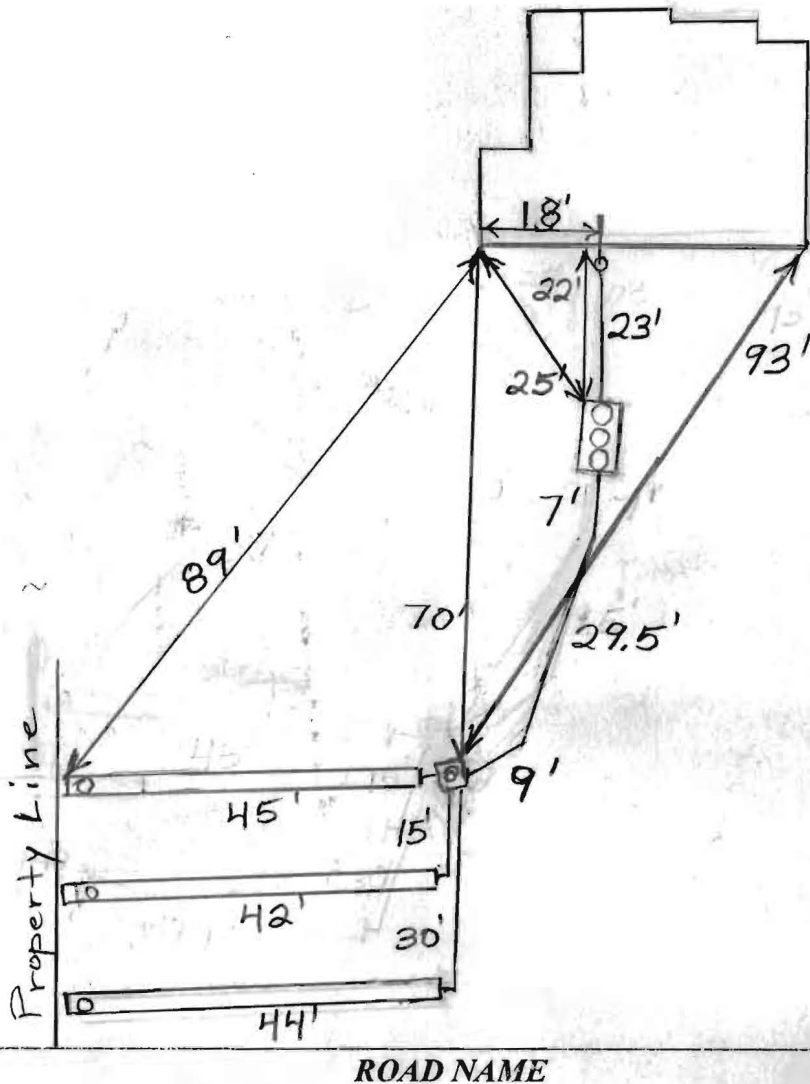
NOTE: MDE RECOMMENDS SEPTIC TANKS, BAT, AND OTHER PRETREATMENT UNITS BE PUMPED AT A FREQUENCY ADEQUATE TO ENSURE THAT SOLIDS ARE NOT DISCHARGED TO THE DISPOSAL AREA

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM.

PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT.

CALL 410-313-1771 TO SCHEDULE INSPECTIONS.

NOT TO SCALE



TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
3	4	6
NUMBER OF TRENCHES		3
TOTAL LENGTH		131'
ABSORPTION AREA		393 + Sidewall
DISTRIBUTION BOX LEVEL		Levelers
DISTRIBUTION BOX BAFFLE		Yes
DISTRIBUTION BOX PORT		Yes

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL	Yes
MANUFACTURER	Norweco
CAPACITY	1300? GAL
SEAM LOC	Top
TANK LID DEPTH	0.5' - 1.5'
BAFFLES	N/A
BAFFLE FILTER	No
MANHOLE LOC	Front, Middle + Rear
6" PORT LOC	Nope
WATERTIGHT TEST	No
SLOTTED	N/A
DATE ON LID	Dry

PUMP/SEPTIC TANK LEVEL

MANUFACTURER	
CAPACITY	GAL
SEAM LOC	
TANK LID DEPTH	
BAFFLES	
BAFFLE FILTER	
MANHOLE LOC	
6" PORT LOC	
WATERTIGHT TEST	
SLOTTED	
DATE ON LID	

PRE-CONSTRUCTION:

6/5/2015 Did partial layout (BB)
 9/11/2015 Finished laying out trenches (BB)

INSTALLATION: 9/24/2015 Tank installed. New house connection made. Working on top trench (BB)

9/25/2015 System finished. O.K. to backfill. Need BAT approval from Norweco inspector (BB)

9/29/2015 Received BAT approval from Norweco manufacturer (BB)

FINAL INSPECTOR

B. Bader

DATE OF APPROVAL

9/29/2015

Back River Pre-Cast, LLC

PO BOX 329
Glyndon, MD 21071
Phone # 410-833-3394
Fax # 410-833-4116

Letter of Certification

This is to certify that the Norweco Singulair TNT 600 GPD Septic Tank installed at 13517 Argo Dr., Dayton, MD 21036 on September 24, 2015 was installed according to the manufacture's specifications.

Installer: Jeff Reiter

Property Owner: June Kerger

Permit #



MATTHEW GECKLE
Vice-President



CANAAN VALLEY INSTITUTE

July 22, 2015

Robert Knaus & June Kerger
13517 Argo Drive
Dayton, MD 21036

RE: FY 2016 Howard County Bay Restoration Fund OSDS Upgrade Program

Dear Mr. Knaus and Ms. Kerger:

Thank you for your application to participate in the Howard County Bay Restoration Fund OSDS Upgrade Program. The Howard County Health Department has verified that your existing septic system is failing and in need of repair. Based on your 2014 income tax return form, you are eligible to receive funding to cover **100%** of the cost to upgrade your system to one of the MDE approved BAT units listed below. The approved price includes the cost of the unit, installation of the unit, and 5 years of operation and maintenance. The price does not include the cost of permits.

<u>System</u>	<u>Vendor</u>	<u>Contact</u>	<u>Phone</u>
Orencia (Advantex AX20)	Atlantic Solutions	Robert Johnson	877-214-9283
HOOT 600 BNR	Mayer Bros, Inc	Nancy Mayer	410-796-1434
Norweco Singulair TNT	Back River Precast LLC	Matthew Geckle	410-833-3394
SeptiTech	Maryland Concrete, Inc	Rodney Glace	443-491-3598

In order to receive your OSDS upgrade, **you MUST follow these steps:**

1. **Sign this letter** on the bottom of page 2 **and return it** in the envelope provided within **2 weeks of the date of this letter**.
2. File a septic repair permit application with the Howard County Health Department **within 2 weeks of the date of this letter**. The permit application fee is \$396.00 (\$165 for tank approval only).
3. Obtain the Agreement and Easement for Installation of Best Available Technology Systems with Bay Restoration Funds from the Howard County Health Department, have it signed by a Howard County Health Department Bureau Director or Designee. Then take it to the Circuit Court and have it recorded in Land Records **within 2 weeks of the date of this letter**.
4. Prepare your property and schedule installation of the system. The system must be installed **within 6 weeks of the date the Agreement and Easement is recorded**.

If assistance is needed in completing any of the steps listed above, you may contact me at 304-940-3443 or kristin.mielcarek@canaanvi.org.

494 RiverStone Road | Davis, WV 26260
Phone: (304) 259.4739 or (800) 922.3601 | Fax: (304) 259.4759
www.canaanvi.org

The system vendor may provide a contractor to install your BAT unit. CVI will provide payment directly to the vendor. The vendor may also require proof of insurance from your contractor.

If your system is not installed within the 8 week timeframe listed in the steps on page 1, the funds may be released and used elsewhere. If you cannot complete installation in within this timeframe, please contact me to request an extension. Please note that failure to request an extension may result in termination of your grant and your system must be installed no later than June 27, 2016 in order to retain your funding.

For more information on septic repair permitting, contact:

Jeff Williams
Program Supervisor, Well and Septic
410-313-1771

Please sign and return this original letter and keep a copy for your records. If you have any questions, please contact me at 304-940-3443 or by email at kristin.mielcarek@canaanvi.org.

Sincerely,

Kristin Mielcarek, Watershed Circuit Rider

Accepted by: Robert Knaus, Property Owner

I have read and agree to the conditions of this Agreement Letter.

Signature

Date

Accepted by: June Kerger, Property Owner

I have read and agree to the conditions of this Agreement Letter.

Signature

Date

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Phone: (304) 259.4739 or (800) 922.3601 | Fax: (304) 259.4759
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Twitter: HowardCoHealthDep

Maura J. Rossman, M.D., Health Officer

**OPERATION AND MAINTENANCE AGREEMENT
FOR AN ON-SITE SEWAGE DISPOSAL SYSTEM
HAVING AN ADVANCED PRE-TREATMENT SYSTEM**

THIS AGREEMENT is made this 23rd day of July 2015, among June Kerger and Robert Knauis, hereinafter collectively referred to as "Owner", and the Howard County Health Department hereinafter referred to as the "County".

WHEREAS, Owner is the owner or contract owner of a parcel of land located at 13517 Argo Dr. Dayton MD 21036, in the ___ Election District of Howard County, Maryland, and the deed to same is recorded or shall be recorded among the Land Records of Howard County, Maryland in Liber 1583 Folio 541.

WHEREAS, The Lot is suitable for the installation of a conventional on-site sewage disposal system with an advanced pre-treatment system, utilizing best available technology to perform nitrogen reduction, in accordance with the Code of Maryland Regulations 26.04.02.07, effective January 1, 2013. The pre-treatment device being installed is Norweco Singular TNT.

NOW, THEREFORE, the parties hereto agree as follows:

- A. Owner hereby grants to the County the right to enter upon the Lot at any reasonable time for access to the system to make periodic inspections and the Owner agrees to provide any information and data in Owner's possession reasonably requested and needed by the County to develop accurate and thorough test results.
- B. Owner acknowledges and agrees that neither the County nor any of its agents or employees, either officially or individually, underwrites the operation of any system approved by them.
- C. The Owner will devote reasonable care and effort to the operation and maintenance of the system in perpetuity or until a public sewer connection is made so that a system malfunction is not the result of poor maintenance, faulty operation, or neglect.
- D. The Owner agrees to enter into a contract reasonably acceptable to the Owner and the County with a private entity to operate and maintain on a regularly scheduled basis an approved advanced pre-treatment system. The owner shall supply a copy of the contract to the County when it is renewed or altered.
- E. This agreement shall run with the land and upon Owner's taking title to the Lot shall bind the Owner, their heirs, successors, and assigns to the provisions of the agreement as long as the property is in existence and after installation of the system. Owner further agrees that they shall inform in writing any subsequent purchaser or lessee of the Lot that the system shall require

maintenance or other attention. Upon taking title to the Lot, the Owner agrees to cause this agreement to be recorded in the Land Records of Howard County and assure that it becomes part of the Deed for the subject property in order that prospective buyers may be aware of the special conditions affecting this property.

F. This agreement shall not be construed to limit any authority of the County to protect the public health, safety or comfort or to issue any other orders to take any other action which is now or may hereafter be within its authority.

G. This agreement may be voided at any time at the discretion of the County.

H. This agreement contains the entire agreement and understanding between the County and the Owner. There are no additional terms other than as contained in this agreement. This agreement may not be modified, except in writing signed by each of the parties or by their authorized representatives.

I. The laws of the State of Maryland govern the provisions of all transactions pursuant to this agreement.

J. Owner acknowledges and agrees that interior renovations to increase the number of bedrooms or an increase in living space shall not be permitted without approval from the County.

IN WITNESS WHEREOF, the parties have signed and sealed this agreement on the date indicated above.

Robert A. Kraws 7/23/15
Howard County Health Department

June G. Kerger 7/23/15
Owner #1 Signature Date

June G. Kerger
Owner #1 Print Name

Robert A. Kraws 7/23/15
Owner #2 Signature Date

Robert A Kraws
Owner #2 Print Name

Buyer #1 Signature Date

Buyer #2 Signature Date

Buyer #1 Print Name

Buyer #2 Print Name

LR - Agreement
Recording Fee 20.00
Grantor/Grantee Name:
Kerger
Reference/Control #: 164
LR - Agreement
Surcharge 40.00
SubTotal: 60.00
Total: 60.00
07/23/2015 08:25
#453396 C00503 - C013-TR
Howard Co
Cd1mb1a/CC05.03.01 -
Printer: M1

Clerk of the Circuit Court for
Howard County
Land Records/Licensing

The Thomas Dorsey Building
9250 Bendix Road
Columbia, MD 21045
410-313-5850

=====

LR - Agreement Recording Fee		
	1x	20.00 20.00

Grantor/Grantee Name: kerger
Reference/Control #: 164

LR - Agreement Surcharge

	1x	40.00 40.00
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SubTotal:	60.00
Total:	60.00

=====

CRD-Credit	60.00
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Credit Card Confirmation : 73752

07/23/2015 15:25 CC13-TR
#4584396 /396/109

~ Thank you for visiting us today~



HOWARD COUNTY HEALTH DEPARTMENT

56586

8 / 18 / 15 DATE

PS

Received From

Hatfields Equip

PHONE #

301 490-289

For

Repair/Bat - 13517 Argo Dr.

☐ CASH

☒ CHECK

NO.

3400

Three hundred ninety six - Dollars

\$

396.00

Received By

King