

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

INTERIM CERTIFICATE OF POTABILITY
PERMANENT DEVIATION FOR RADIUM

Expiration Date – January 7, 2022

July 7, 2021

Homeowner
7429 Haven Court
Highland, MD 20777

RE: Est. @ Schooley Mill, Lot 5
7429 Haven Court
Building Permit: B20003595
Well Permit: HO-17-0190

Dear Homeowner:

This is to advise you that the septic system installation and water well construction for the above referenced property have been inspected and approved. Final approval of the septic system was granted on 7/2/2021. Final approval of the well line connection to the dwelling was granted on 3/25/2021. The well construction was completed on 11/3/2017. Water samples were collected on 6/8/2021.

The water sample results indicate that the water samples submitted for testing were free of coliform and fecal coliform bacteria at the time of sampling and are bacteriologically safe for drinking.

Gross Alpha and Beta samples were also collected on 1/19/2018. Results showed a Gross Alpha level of **24.1 ± 4.1 pCi/L** and a Gross Beta level of **31.8 ± 3.1 pCi/L**. **This exceeds the maximum contaminant level (MCL) combined Radium 226 and 228 of 5.0 pCi/L.**

After installation of a radionuclide removal device (Reverse Osmosis/Water Softener), post-treatment water samples were collected on 6/23/2021 and indicated a combined Radium 226/228 level of **<1.1 pCi/L** which is below the MCL of 5 pCi/L.

This Department will grant a **permanent deviation** to the Interim Certificate of Potability on condition that the radionuclide removal system effectively maintains a Gross Alpha level of less than **15 pCi/L**, a Gross Beta level of less than **50 pCi/L**, and a Radium 226/228 level of less than **5 pCi/L**.

Furthermore, it will be necessary for you to comply with the following conditions:

1. The system must be properly operated and maintained continuously in accordance with the service contract for the life of the residence.
2. It is recommended that a Maryland certified water laboratory certified for radionuclide analysis perform a yearly radionuclide analysis.

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3. If you decide to sell or rent your home in the future, you must make any potential buyer/tenant aware of this permanent deviation. **A person who fails to make this disclosure is subject to the penalties set out in COMAR 26.04.04.12F *Enforcement and Environment Article 9-1311, Annotated Code of Maryland.***

This certifies that the initial sampling requirements of COMAR 26.04.04 "Well Regulations" have been met for the water supply system installed under well permit HO-17-0190. Although the submitted sample results are in compliance with COMAR standards, the Health Department does not guarantee water supplies.

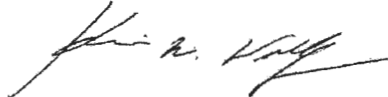
This Interim Certificate of Potability will expire **six months** from the date of issuance. Submission of a second bacteriological test indicating the water is free of coliform and fecal coliform bacteria is required prior to the expiration date, after which time a Final Certificate of Potability will be issued. **Failure to submit an additional sample and obtain a Final Certificate of Potability will result in a Notice of Violation and is punishable as a misdemeanor under the *Annotated Code of Maryland, Environment Article, 9-1311*, subject to a fine of up to \$500 or imprisonment not to exceed three months.**

Please contact (410) 313-1773 to schedule a final water sample appointment or contact a Maryland certified water quality laboratory to schedule a water sample. A list of laboratories certified by the state of Maryland may be found at the following website:

<http://www.mde.state.md.us/assets/document/WSP-Labs-2010apr16.pdf>

In closing, please refer to our "[Homeowner Fact Sheet](#)" which illustrates a better understanding for your onsite sewage disposal system. You will also find a link to Maryland Department of the Environments website which describes in further detail operation and maintenance of your septic system.

Approving Authority,



Kevin M Wolf, L.E.H.S., R.E.H.S./RS, Supervisor
Groundwater Management Section
Well & Septic Program

cc: Howard County Dept. of Inspections, Licenses, and Permits
Community Hygiene Program
File

FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.

1413 Old Taneytown Rd. Westminster, MD (410) 848-1014 (410) 876-4554

REPORT OF ANALYSIS

Laboratory ID #: 145429 Account #: 4470
 Reference: Estates at Schooley Mill Lot 5 Company: Williamsburg Homes LLC
 Location: 7429 Haven Court Requested By: Bill McBride
 Highland, MD 20777 Source: Well Water
 Date/ Time Collected: 6/23/2021 1230 Site: R/O Tap
 Date/Time Rec'd: 6/23/2021 1448 Treatment: Reverse Osmosis/Softener
 Chlorine ppm: Free: ND Total: ND pH: 6.9
 Collected By: J. Yeager 0819JY Well #: HO-17-0190

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Gross Alpha, Short Term	<0.5	pCi/L	15	900.0	6/26/2021 / 0604 / MJN
Gross Beta, Short Term	2.8	pCi/L	50	900.0	6/26/2021 / 0604 / MJN
Radium-226	0.3	pCi/L	****	903.1	7/2/2021 / 1046 / MJN
Radium-228	<0.8	pCi/L	****	Ra-05	7/1/2021 / 1251 / SN

NOTES:

- 1 ****Radium 226 and Radium 228 combined have a reference of 5 pCi/L
- 2 pCi/L = picocuries per liter
- 3 Radium 226 Detection Limit: 0.2 pCi/L; Radium 226 Error: +/- 0.2pCi/L
- 4 Radium 228 Detection Limit: 0.8 pCi/L; Radium 228 Error: +/- 0.6 pCi/L
- 5 Results less than or within the reference range are considered satisfactory and within potable water limits at the time of sampling.
- 6 Short Term Gross Alpha Detection Limit: 0.5 pCi/L; Short Term Gross Alpha Error: +/- 0.4 pCi/L
- 7 Short Term Gross Beta Detection Limit: 0.7 pCi/L; Short Term Gross Beta Error: +/- 0.6 pCi/L
- 8 ND:None Detected
- 9 pH & Chlorine level tested on site
- 10 Visual well check: Sealed, vented cap

Reason for Test : Use & Occupancy
 Building Permit # : 20003595

Date Reported: 7/2/2021

FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.

1413 Old Taneytown Rd. Westminster, MD (410) 848-1014 (410) 876-4554

REPORT OF ANALYSIS

Laboratory ID #: 145051 Account #: 4470
 Reference: Estates at Schooley Mill Lot 5 Company: Williamsburg Homes LLC
 Location: 7429 Haven Court Requested By: Bill McBride
 Highland, MD 20777 Source: Well Water
 Date/ Time Collected: 6/8/2021 1300 Site: Pressure Tank
 Date/Time Rec'd: 6/8/2021 1422 Treatment: None
 Chlorine ppm: Free: ND Total: ND pH: 6.8
 Collected By: J. Yeager 0819JY Well #: HO-17-0190

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	6/9/2021 / 0900 / CRS
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	6/9/2021 / 0900 / CRS
Nitrate	<1.0	mg/L	10	601	6/8/2021 / 1520 / CRS
Sand	ND	mg/L	5	Visual/Gravimetric	6/8/2021 / 1425 / TSD
Turbidity	8.53	NTU	<10	SM20 2130B	6/8/2021 / 1550 / TSD

NOTES:

- 1 mg/L = milligrams per liter (also, parts per million)
- 2 MPN/ 100 ml = Most Probable Number [of viable bacteria] per 100 ml of sample.
- 3 NTU = Nephelometric Turbidity Units
- 4 Results less than or within the reference range are considered satisfactory and within potable water limits at the time of sampling.
- 5 ND:None Detected
- 6 pH & Chlorine level tested on site
- 7 Visual well check: Sealed, vented cap

Reason for Test : Use & Occupancy
 Building Permit # : 20003595

Date Reported: 6/9/2021



**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

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RECEIPT DATE: 2-26-21 **ONSITE SEWAGE DISPOSAL SYSTEM**

P 58771

APPROVAL DATE: 07/02/2021 **PERMIT: CONSTRUCTION**

A _____

PROPERTY ADDRESS: 7429 HAVEN CT, HIGHLAND, MD 20777

SUBDIVISION: ESTATES AT SCHOOLEY MILL LOT: 5 TAX ID: 05-600713

CONTRACTOR: Hofffields EMAIL: Ken@hofffieldsequipment.com

CONTRACTOR ADDRESS: P.O. Box 519, Annapolis Junction, MD 20701 PHONE: 301-470-4289

CONTRACTOR CERTIFIED FOR BAT INSTALLATION: MDE MANUFACTURER: Norweco

PROPERTY OWNER: WBG ESM LLC EMAIL: MikeLemon@WilliamsburgLLC.com

OWNER ADDRESS: 5485 HARPERS FARM ROAD, COLUMBIA, MD 21044 PHONE: (443)865-2353

BAT UNIT MODEL: NORWECO TNTLP-750 PUMP SIZE: 0.5 Hp PUMP TANK CAPACITY: 2000

OPERATION & MAINTENANCE AGREEMENT DATE SIGNED: 1/7/2019 DATE RECORDED: 2-7-2021

DISTRIBUTION SYSTEM: GRAVITY PRESSURE DOSED BEDROOMS: 6 APPLICATION RATE: 1.2

TRENCHES:	LINEAR FEET REQUIRED: <u>208.5</u>	INLET DEPTH: <u>2.5</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>4.0</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>10</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>3.0</u>
LOCATION:	PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND BAT UNIT LOCATION MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.	
NOTES:	Install 2 cleanouts in SHC. Recommended pump is Zoeller model 292 or 4292, 0.5 Hp, or equivalent Installation must PASS a Pump and Alarm tests prior to Final Approval of this permit.	

ISSUED BY: R BRICKER ISSUE DATE: 3-1-21 EXPIRATION DATE: 2-26-22

- 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 DOWNGRADIENT 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
- NOTE: AN INDIVIDUAL CERTIFIED BY MDE AND THE MANUFACTURER FOR BAT INSTALLATION MUST BE PRESENT AT ALL TIMES DURING BAT INSTALLATION.
- 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.**

