



<b>B 1</b>	<b>28698</b>	SEQUENCE NO. (MDE USE ONLY)	<b>STATE OF MARYLAND</b> <b>APPLICATION FOR PERMIT TO DRILL WELL</b> please type	STATE PERMIT NUMBER <b>HO - 15 - 0153</b> <small>70 fill in this form completely 79</small>
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**OWNER INFORMATION**

Date Received (APA) \_\_\_\_\_

8 MM DD YY 13

15 Bassler Venture LLC Owner First Name 34

36 PO BOX 482 Street or RFD 55

57 Les Bow Town 70 MD State 72 21765 Zip 76

**B 3** LOCATION OF WELL

8 COUNTY Howard 21

23 SUBDIVISION Walnut Creek Phase 4 42

SECTION 4 44 46 LOT 128 48 50

52 NEAREST TOWN Clarksville 71

**DRILLER INFORMATION**

76 Driller's Name Ralph Mayne 81 License No. MSD 119

Firm Name Ralph Mayne Well Drilling

Address 17024 Handy Rd Mt Airy MD 21771

Signature [Signature] Date 9/18/15

**B 4** SOURCES OF DRILLING WATER

1. well

2. \_\_\_\_\_

3. \_\_\_\_\_

11 STREET ADDRESS Lindera Ct 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

34 150 37

DISTANCE FROM ROAD ENTER FT OR MI 38 39

TAX MAP: 28 BLK: \_\_\_\_\_ PARCEL 49

**B 2** WELL INFORMATION

1 2 APPROX. PUMPING RATE (GAL. PER MIN.) 5

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500 14 20

**USE FOR WATER** (CIRCLE APPROPRIATE BOX)

DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION

FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)

INDUSTRIAL, COMMERCIAL, DEWATERING

PUBLIC WATER SUPPLY WELL

TEST, OBSERVATION, MONITORING

OPEN LOOP GEOTHERMAL

CLOSED LOOP GEOTHERMAL

**NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL**

County Name Howard (13) COUNTY NO. A520385

STATE SIGNATURE \_\_\_\_\_ INSERT S → 41

DATE ISSUED 9/25/15 43 MM DD YY 48

CO SIGNATURE [Signature] EXP. DATE 9/25/16

APPROXIMATE DEPTH OF WELL 150 FEET 24 28

APPROXIMATE DIAMETER OF WELL 6" NEAREST INCH

**METHOD OF DRILLING** (circle one)

BORED (or Augered) AIR-ROTary JETTED Jetted & DRIVEN

30 AIR-ROTary AIR-PERCussion ROTARY (Hydraulic Rotary)

37 CABLE REVERSE-ROTary DRIVE-POINT

other \_\_\_\_\_

**REPLACEMENT OR DEEPEMED WELLS** (CIRCLE APPROPRIATE BOX)

THIS WELL WILL NOT REPLACE AN EXISTING WELL

THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED

39  THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS

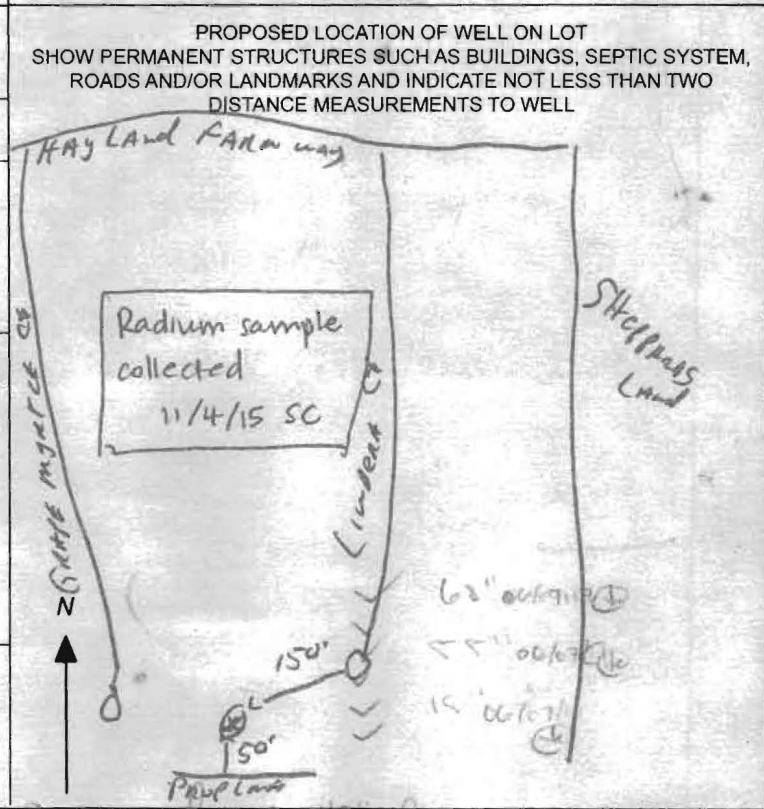
THIS WELL WILL DEEPEM AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 \_\_\_\_\_ 52

**Not to be filled in by driller (MDE OR COUNTY USE ONLY)**

APPROP. PERMIT NUMBER HO 2006G020

PERMIT No. HO-15-0153 70 71 72 73 74 75 76 77 78 79



**SPECIAL CONDITIONS**

NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

Wells must be 100' apart. Radium sample read at yield.

MDE/WMA/PER.071 © COUNTY



HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
WELL & SEPTIC PROGRAM  
TEL: (410)313-1771 FAX: (410)313-2648

Information Form for the Installation of the Well Pump, Pitless Adapter, and Supply Piping

NOTE: The installer is responsible for requesting an inspection prior to 9 am on the day of the desired inspection. No work is to be covered until approved by the Health Department. All installations must comply with the National Standard Plumbing Code (NSPC, as amended locally) and COMAR 26.04.04 (MD Well Construction Regulations). Submission of a complete form is required prior to Use and Occupancy approval.

Company Name: Tri-County Home Service, Inc Telephone #: 301-432-0300  
Address: 6911 Old National Pkwy  
Brownsville, Md 21783

(Must circle one) Licensed Plumber  Licensed Well Driller  Licensed Well Pump Installer   
License # and name of individual responsible for the field installation: ..  
Name (Print): William Griffith License# 20135  
"A licensed individual must perform the actual installation. Apprentices must be under the supervision of a licensed journeyman or master plumber, pump installer or well driller. Licenses may be subjected to field verification. Unlicensed individuals may be reported to the appropriate licensing agency."

Name of Property Owner: Craftmark Home Telephone #: 703-932-0513  
Subdivision: Walnut Creek Lot #: 120 Well Tag #: HO-15-0153 ✓  
Site Address: 6048 Lindera Ct  
Ellicott City, Md 21042

Submersible Pump Data      Pitless Adapter      Well Cap and Electric Conduit  
Make: Slack      Make: American Crawly      Two piece watertight cap: yes  
Model #: SPT450517-01      Model#: PT100      Screened, vented well cap: yes  
Pump Capacity 7 GPM      Depth: 36" (36" min)      Cap secured to casing: yes  
Well Yield: 20 GPM      NSF/WSC approved: yes      Conduit min 18" B.G.: yes  
Depth of well encountered at time of pump installation: 200 (feet)      Conduit secured to well cap: yes  
If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4  
Torque arrestors, Cable guards, or other acceptable method used- Must circle one  
Safety rope, if used, attached to brass rope adapter or other acceptable method inside of well casing

Piping to house      House Connection  
Type: Poly      FVC sleeve to undisturbed soil at wall penetration: yes  
PSI: 200 (160 psi min)      Length of sleeve (5' minimum from foundation): 20  
Depth of supply line: 36" (36" min)      Sleeve sealed properly: yes

The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.

Signature of company representative responsible for installation: William E. Griffith      date: 6/6/2017

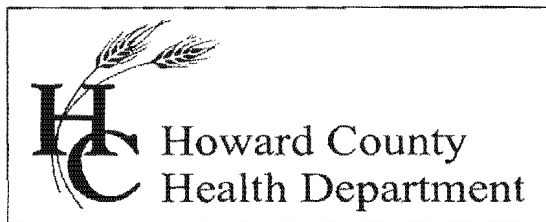
For Health Department Use Only - Not to be completed by Installer

Date Insp. Requested: 06/07/17 Date Insp. Approved: 09/01/17 Inspector: [Signature]  
Inspection Data: Pitless adapter watertight & water supply line at least 36" below grade ✓ 63" below grade  
Two piece cap installed and attached to casing securely ✓  
Elec. conduit extends at least 18" below grade/attached to cap properly ✓ 55" below grade  
Safety rope not outside of well cap/casing ✓  
Correct well tag attached properly and casing 8" above finished grade ✓ 14" above grade  
Water supply line sleeved adequately at house connection ✓  
Adequate grout observed below pitless adapter ✓ 09/01/17

\* Grout appears uncured properly ~ 48" from top of well casing  
↳ Re-grout 09/01/17

LINDERA CT





## Bureau of Environmental Health

8930 Stanford Blvd., Columbia, MD 21046-2147

Main: 410-313-1774 | Fax: 410-313-2648

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

[www.hchealth.org](http://www.hchealth.org)

Facebook: [www.facebook.com/hocohealth](https://www.facebook.com/hocohealth)

Twitter: HowardCoHealthDep

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

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### INTERIM CERTIFICATE OF POTABILITY

Expiration Date – MARCH 5, 2018

September 5, 2017

Homeowner  
5048 Lindera Court  
Ellicott City, MD 21042

**RE: Walnut Creek, Lot 128  
5048 Lindera Court  
Building Permit: B17001218  
Well Permit: HO-15-0153**

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 **9/5/2017**. Final approval of the well line connection to the dwelling was granted on **9/1/2017**. The well construction was completed on **11/4/2015**. Water samples were collected on **8/16/2017 & 8/24/2017**.

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 **11/4/2015**. Results showed a Gross Alpha level of **6.0 ± 2.0 pCi/L** and **Gross Beta** level of **7.5 ± 1.9 pCi/L**. The Gross Alpha was below the maximum contaminant level (MCL) of 15 pCi/L and the Gross Beta was below the target level of 50pCi/L (roughly equivalent to the annual dose rate of 4 millirems per year). At the time of testing and with respect to these parameters, the well water is safe for all uses.

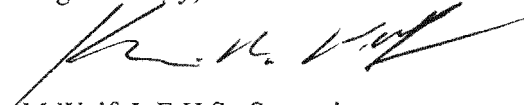
This certifies that the initial sampling requirements of COMAR 26.04.04 "Well Regulations" have been met for the water supply system installed under well permit HO-15-0153. Although the submitted sample results are in compliance with COMAR standards, the Health Department does not guarantee water supplies.

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 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>

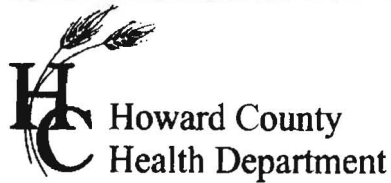
In closing, please refer to our "Homeowner Fact Sheet" which illustrates a better understanding for your onsite sewage disposal system. You will also find a link to Maryland Department of the Environments website which describes in further detail operation and maintenance of your septic system.

Approving Authority,



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

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



7178 Columbia Gateway Dr., Columbia, MD 21046  
(410) 313-2640 Fax (410) 313-2648  
TDD (410) 313-2323 Toll Free 1-866-313-6300  
website: www.hchealth.org

Peter L. Bielson, M.D., M.P.H., Health Officer

TO ALL INTERESTED PARTIES

When submitting a well application for a proposed well for new construction, please indicate one of the following:

Well Site Location:

<u>Walnut Creek</u>	<u>128</u>	<u>Lindera Court</u>
<b>Subdivision/Property Name</b>	<b>Lot #</b>	<b>Road Name</b>

- The well site has been staked by Fisher, Collins and Carter, Inc.,  
(professional land surveyor or company employing professional land surveyors)  
on 09/17/15 (date) and does not require a site inspection.
- The well driller, builder or property owner will call the Health Department to schedule a time to meet in the field to verify the proposed well site location.

This sheet, along with two copies of an acceptable well site plan, must be attached to the green well permit application.

Revised 3/11/07

DO NOT REMOVE THIS TAG  
 DEPARTMENT OF THE ENVIRONMENT  
 WELL PERMIT NUMBER  
**H0-15-0153**  
 INFORMATION-GIVE NUMBER AND WRITE  
 1800 WASHINGTON BLVD  
 BALTIMORE MARYLAND, 21230

71280.28  
 327639.00  
 39° 14' 06.99"  
 76° 56' 45.51"

179.20  
 7629.82  
 14' 05.99"  
 56' 45.63"

N:571075.72  
 E:1327742.43  
 N039° 14' 04.97"  
 W076° 56' 44.19"

**LOT 128**

571051.97  
 327639.60  
 39° 14' 04.73"  
 76° 56' 45.50"

Well box approved  
 9/25/15 SC  
 Well site staked  
 by Fisher, Collins & Carter, Inc.

**WELL LOCATION INFORMATION:**  
 NORTHING = 571075.72 EASTING = 1327742.43  
 LATITUDE = N 39° 14' 05" LONGITUDE = W 76° 56' 44"

**LOT 128 WELL MAP  
 WALNUT CREEK  
 PHASE FOUR**

Lots 23 - 60, Non-Buildable Preservation Parcels  
 'C', 'G', 'I', 'K', 'L' And 'M', Buildable Bulk Parcels 'E' And 'H'  
 & Non-Buildable Parcel 'J'  
 ZONED: RC-DEO & RR-DEO

TAX MAP No. 28 GRID Nos. 4, 5, 10-12, 17, AND 18 PARCEL No. 49  
 FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
 DATE: SEPTEMBER 1, 2015 SCALE: 1"=50'

**FISHER, COLLINS & CARTER, INC.**  
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
 CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE  
 ELLICOTT CITY, MARYLAND 21042  
 (410) 461 - 2955

I:\2004\04001\dwg\PHASE FOUR FINALS\04001 Phase Four FINAL WELL MAPS.dwg, 9/1/2015 2:47:22 PM, 1:1



# Fredericktowne Labs Inc.

ENVIRONMENTAL TESTING

3020 Ventrie Court • P.O. BOX 245 • Myersville, MD 21773 • 800-332-3340 • FAX 301-203-2286  
 www.fredericktownelabs.com • info@fredericktownelabs.com

## Certificate of Analysis

Acct. No. 3948 - 1893-2

### Field Record

Site visit performed on: Thursday, August 24, 2017 9:40 AM  
 by: William Snavely State ID No. 9497WS  
 Affiliation: Tri-County Pump Services  
 Property Owner: Craftmark  
 Project: Lot 128  
 Property Address: 5048 Lindera Court  
 Ellicott City, MD  
 Sample Source: 1st Floor 1/2 Bathroom Sink  
 Well No.: HO-15-0153  
 Field pH: 8.0  
 Free Res. Cl.: 0.0 mg/l

*OK*  
*✓*  
*Kim*

### Laboratory Report

Sample Received at laboratory: 8/24/2017 10:45 AM

#### Bacteriological results:

<u>Total Colif. (/100ml)</u>	<u>E.coli.(/100ml)</u>	<u>Start</u>		<u>End</u>		<u>Method</u>	<u>Analyst</u>
		<u>Date</u>	<u>Time</u>	<u>Date</u>	<u>Time</u>		
<1	<1	08/24/17	12:58	08/25/17	13:04	9223B	JD

Bacteriological analysis of this sample indicates the water is safe for human consumption and meets federal, state and local requirements. Analysis was performed according to the 20th edition of Standard Methods

Reported by: Cristy Phelps 8/25/17  
 Name Date

Fredericktowne Labs, Inc. is a State Certified Water Quality Laboratory  
 Maryland Cert. No. 116 Virginia Cert. No. 00444  
 MDOT WBE Cert. No.: 91-168



## Certificate of Analysis

Acct. No. 3948 - 1893-1

### Field Record

Site visit performed on: Wednesday, August 16, 2017 11:55 AM  
by: Steve Wolfe State ID No. 8587SW  
Affiliation: Tri-County Pump Services  
Property Owner: Craftmark  
Project: Lot 128  
Property Address: 5048 Lindera Court  
Ellicott City, MD  
Sample Source: Pressure Tank  
Treatment Devices Noted: No Treatment Devices  
Well No.: HO-15-0153  
Field pH: 7.5  
Free Res. Cl.: 0.0 mg/l

### Laboratory Report

Sample Received at laboratory: 8/16/2017 1:21 PM

*Bacteria  
Fail*

#### Bacteriological results:

<u>Total Colif. (/100ml)</u>	<u>E.coli. (/100ml)</u>	<u>Start</u>		<u>End</u>		<u>Method</u>	<u>Analyst</u>
		<u>Date</u>	<u>Time</u>	<u>Date</u>	<u>Time</u>		
120	<1	08/16/17	14:11	08/17/17	08:20	9223B	JD

Bacteriological analysis of this sample indicates the water is unsafe for human consumption.  
Analysis was performed according to the 20th edition of Standard Methods

#### Inorganic Chemical results:

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>MCL</u>	<u>Date of Analysis</u>	<u>Method</u>	<u>Analyst</u>
Nitrate-Nitrogen	✓ 2.9	mg/l	10	8/16/2017	300.0	KB
Sand	✓ <2	mg/l	5	8/16/2017	0.065mmFilter	KB/J
Turbidity	✓ 0.2	NTU	10	8/16/2017	180.1	KB

Reported by:

*Cristy Phelps 8/18/17*  
Name Date

Fredericktowne Labs, Inc. is a State Certified Water Quality Laboratory  
Maryland Cert. No. 116 Virginia Cert. No. 00444  
MDOT WBE Cert. No.: 91-158



**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](http://www.hchealth.org)

Facebook: [www.facebook.com/hocohealth](https://www.facebook.com/hocohealth)

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

December 29, 2015

**Bassler Venture  
Attn. Tim Feaga  
15950 North Avenue, P.O. Box 482  
Lisbon, Maryland 21765**

**RE: Walnut Creek Lot 128  
Lindera Court  
Well Tag: HO - 15 - 0153**

Dear Mr. Feaga:

A sample was collected during a yield test on November 4, 2015 and submitted to the Department of Health & Mental Hygiene Laboratories to assess the possible presence of **Gross Alpha** and **Gross Beta** in the future well water supply. **Gross Alpha** and **Gross Beta** measure the total alpha and beta particle activity in a water supply. These naturally occurring radioactive nuclides have been demonstrated to be present in a certain type of geologic formation known as the Baltimore Gneiss which exists in your area of development within the County.

Results from this screening revealed a **Gross Alpha** of  $6.0 \pm 2.0$  picocuries/liter (pCi/L), while the **Gross Beta** level was  $7.5 \pm 1.9$  pCi/L. The **Gross Alpha** result was below its **maximum contaminant level (MCL)** of 15 pCi/L, while the **Gross Beta** level was below its targeted value of 50 pCi/L (roughly equivalent to the **annual dose rate** of 4 millirems/year).

At the time of testing and with respect to these parameters, the future well water supply **meets** EPA regulatory standards. Additional testing **for these parameters** will not be required to secure the future Use & Occupancy. **Please note** that other standard testing parameters (bacteria, nitrate, turbidity and sand) will still be required to help secure Use & Occupancy.

A copy of the test results is enclosed for your information. Please call this office at 410-313-1773 if you have any further questions.

Sincerely,

A handwritten signature in cursive script that reads 'Bert Nixon'.

Bert Nixon, Director

Bureau of Environmental Health

Enclosure

✓ cc: Property file

SEND REPORT TO: Bert Nixon  
 Howard Co. Health Dept.  
 Bureau of Environmental Health  
 8930 Stanford Blvd.  
 Columbia, MD 21045

State of Maryland  
 DHMH - Laboratories Administration  
 Division of Environmental Chemistry  
**RADIATION LABORATORY**  
 1770 Ashland Avenue  
 Baltimore, Maryland 21205  
**LABORATORY ANALYSIS REQUEST FORM**

Lab No.  
 E000779 2-52

Plant/Site Name: Walnut Creek - Lot 128 County: Howard

Sample Source: Lindera Ct Location: 110-15-0153

(Well no., lab sink, sample tap, etc.)

Radon-222 Bottle A \_\_\_\_\_ Radon-222 Field Blank Bottle A \_\_\_\_\_  
 Bottle B \_\_\_\_\_ Bottle B \_\_\_\_\_

County 13 Plant No. \_\_\_\_\_

CHECK (one per Box)

Type	Service	Point of Collection	Testing
Drinking Water <input checked="" type="checkbox"/>	Community <input type="checkbox"/>	Source (Raw) <input type="checkbox"/>	Emergency <input type="checkbox"/>
Landfill <input type="checkbox"/>	Non-Community <input type="checkbox"/>	Distribution (treated) <input type="checkbox"/>	Routine <input checked="" type="checkbox"/>
Stream <input type="checkbox"/>	Private <input checked="" type="checkbox"/>	MCL <input type="checkbox"/>	Recheck <input type="checkbox"/>
Other _____ <input type="checkbox"/>	Other _____ <input type="checkbox"/>		Special <input type="checkbox"/>

Submitters Code: \_\_\_\_\_ Federal Project: 5

Collector: S. Collins Telephone No.: 410-313-6787

Date Collected: 11/4/15 Time Collected: \_\_\_\_\_ a.m. 12:45 p.m.

Field pH: \_\_\_\_\_ Field Chlorine: \_\_\_\_\_

Nitric Acid Preserved: Yes  No  Iced: Yes  No

Remarks: Sample taken during yield

✓	TEST	EPA Code	Lab No.	Method No.	Results (pCi/L)	Date Analyzed	Analyst	Date Reported
<input checked="" type="checkbox"/>	Gross Alpha	4000	077A	EPA900.0	6.0 ± 2.0	11/6/15	JJ	11/10/15
<input checked="" type="checkbox"/>	Gross Beta	4100	077A	EPA900.0	2.5 ± 1.9	11/6/15	JJ	11/10/15
<input type="checkbox"/>	Radium-226	4020						
<input type="checkbox"/>	Radium-228	4030						
<input type="checkbox"/>	Total Uranium	4006						
<input type="checkbox"/>	Radon-222 (Bottle A)	4004						
<input type="checkbox"/>	Radon-222 (Bottle B)	4004						
<input type="checkbox"/>	Radon Field Blank A	4004						
<input type="checkbox"/>	Radon Field Blank B	4004						
<input type="checkbox"/>	Tritium							
<input type="checkbox"/>								
<input type="checkbox"/>								

Date Received: 11/05/15 Received By: In JJ

Data Release Signature: Richard Miller-Juck Date: 11/10/15

Lab Use Only	Yes	No	N/A
Sample Intact upon arrival?	<input checked="" type="checkbox"/>		
Sample pH <2.0?	<input checked="" type="checkbox"/>		
Received within holding time?	<input checked="" type="checkbox"/>		

•Tel. No.: (443) 681-3766 •Fax No.: (443) 681-4507

SEND REPORT TO: Bert Nixon  
Howard Co Health Dept  
Bureau of Environmental Health  
8930 Stanford Blvd  
Columbia, MD, 21045

State of Maryland  
 DHMH - Laboratories Administration  
 Division of Environmental Chemistry  
**RADIATION LABORATORY**  
 1770 Ashland Avenue  
 Baltimore, Maryland 21205  
**LABORATORY ANALYSIS REQUEST FORM**

Lab No. 000776 E-50

Plant/Site Name: Field Blank County: Howard

Sample Source: dlh<sub>2</sub>o Location: HCHD Lab

(Well no., lab sink, sample tap, etc.)

Radon-222 Bottle A \_\_\_\_\_ Radon-222 Field Blank Bottle A \_\_\_\_\_  
 Bottle B \_\_\_\_\_ Bottle B \_\_\_\_\_

County 13 Plant No. \_\_\_\_\_

CHECK (one per Box)

Type	Service	Point of Collection	Testing
Drinking Water <input type="checkbox"/>	Community <input type="checkbox"/>	Source (Raw) <input type="checkbox"/>	Emergency <input type="checkbox"/>
Landfill <input type="checkbox"/>	Non-Community <input type="checkbox"/>	Distribution (treated) <input type="checkbox"/>	Routine <input checked="" type="checkbox"/>
Stream <input type="checkbox"/>	Private <input type="checkbox"/>	MCL <input type="checkbox"/>	Recheck <input type="checkbox"/>
Other _____ <input type="checkbox"/>	Other _____ <input type="checkbox"/>		Special <input type="checkbox"/>

Submitters Code: \_\_\_\_\_ Federal Project: 5

Collector: S. Collins Telephone No.: 410-313 6287

Date Collected: 11/4/15 Time Collected: \_\_\_\_\_ a.m. 3 p.m.

Field pH: \_\_\_\_\_ Field Chlorine: \_\_\_\_\_

Nitric Acid Preserved: Yes  No  Iced: Yes  No

Remarks: \_\_\_\_\_

✓	TEST	EPA Code	Lab No.	Method No.	Results (pCi/L)	Date Analyzed	Analyst	Date Reported
<input type="checkbox"/>	Gross Alpha	4000	<u>D776</u>	<u>EPA900.0</u>	<u>&lt;2.0</u>	<u>11/6/15</u>	<u>JT</u>	<u>11/10/15</u>
<input type="checkbox"/>	Gross Beta	4100	<u>0776</u>	<u>EPA900.0</u>	<u>&lt;4.0</u>	<u>11/6/15</u>	<u>JS</u>	<u>11/10/15</u>
<input type="checkbox"/>	Radium-226	4020						
<input type="checkbox"/>	Radium-228	4030						
<input type="checkbox"/>	Total Uranium	4006						
<input type="checkbox"/>	Radon-222 (Bottle A)	4004						
<input type="checkbox"/>	Radon-222 (Bottle B)	4004						
<input type="checkbox"/>	Radon Field Blank A	4004						
<input type="checkbox"/>	Radon Field Blank B	4004						
<input type="checkbox"/>	Tritium							
<input type="checkbox"/>								
<input type="checkbox"/>								

Date Received: 11/05/15 Received By: In JT

Data Release Signature: Deborah Miller-Julk Date: 11/10/15

Lab Use Only	Yes	No	N/A
Sample Intact upon arrival?	<input checked="" type="checkbox"/>		
Sample pH <2.0?	<input checked="" type="checkbox"/>		
Received within holding time?	<input checked="" type="checkbox"/>		

•Tel. No.: (443) 681-3766 •Fax No.: (443) 681-4507

06/07/2017 Imq A

6893  
EHI

DO NOT REMOVE THIS TAG  
DEPARTMENT OF THE ENVIRONMENT  
WELL PERMIT NUMBER

H0-15-0153

INFORMATION-GIVE NUMBER AND WRITE  
1800 WASHINGTON BLVD  
BALTIMORE MARYLAND. 21230

06/07/2017 1mg B



5cm  
Eibel+07/90





D 5m1 F102/70/90

3 5ml Fine/F0/00



06/07/2017 1m F



## FILE INQUIRY NOTES

DATE	RESULTS OF REVIEW FOR FILE
11/2/15	on site after drilling. Well 200', 33' <sup>steel</sup> casing, 15 gpm. (SC)
11/4/15	on site during yield test. Started pumping at 10:45 am. test started at 11 am. Well 200', 32' static water level. 73' measuring point 12-15 gpm. Radium sample collected at 12:45 pm. (SC)
06/07/17	WELL LINE INSPECTION -
	Grout observed below pitless adapter is inadequate
	→ email jpaulik@craftmarkhomes.com
	* SEE EMAIL ATTACHED
	→ installer - Justin from tri-county reported unusual grout during installation.
	* See attached photos. (06/07/2017)
	→ Tri County <del>to</del> dig 1' deeper next to pitless to check grout. Grout still uncured.
	→ Well line backfilled. Well casing left exposed. Contacted John Boris for consultation
	Recommended jetting annular space
	+ regrading b/c grout mixture was not inspected.
	(D)
6/19/2017	Got a message from J.C. Mayne well drilling saying they had found cured cement below pitless adapter. Need follow up call, have a pict of a 4' probe sunk to the hilt by the pitless adapter. Site visit required. (D)

06/27/2017

Called Mayne office, Spoke to Betty.

Joe mayne report strange cement colors

Dig to 2' by pitless + Hit cured grout.

Site visit needed. (A)

06/27/2017 PM

Made site visit. Probed below pitless + felt the new concrete. Will organize w/ Craftmark

to dig 12'-15' deeper along the casing. (A)

July-Aug 9 2017 - Mayne add 2 bags of cement by pitless adapter. Date unrecorded (A)

8/10/2017

Reinspected Mayne reworking. Tri county dig 11' by well casing. Grout still uncured. See photos. Back filled (A)

8/30/17 - Called Mayne. Betty reports <sup>09/10/2017 (A)</sup> ~~additional~~ ~~12 bags added~~. Made field site visit.

4' probe sinks down flush with well casing.

no signs of <sup>grout</sup> work Done. (A)

See photos

8/31/17 Met on site w/ Driller <sup>Mayne</sup> Developer <sup>J Paulik</sup> <sup>G Deblasi</sup> to uncover well casing. TO gr-jet + grout

9/1/17. (A)

9/1/17 8:30 am jet <sup>H<sub>2</sub>O</sup> along side of casing. down 16'

@16' deep hit more solid. No jetted water

Surface 2, indicating evidence of void. -15 bags