

B 1
1 2 3 4 5 6
14937

SEQUENCE NO.
(MDE USE ONLY)

STATE OF MARYLAND
APPLICATION FOR PERMIT TO DRILL WELL

538055-H please type

STATE PERMIT NUMBER

HO -95 -2367

70 fill in this form completely 79

Date Received (APA)
090412
8 MM DD YY 13

OWNER INFORMATION

15 Last Name: Land Marketing Consultants
34 First Name: Owner
36 Street or RFD: PO BOX 482
57 Town: LISBON 70 State: MD. 72 Zip: 21265 76

B 3

LOCATION OF WELL

8 COUNTY: Howard 21
23 SUBDIVISION: Walnut Creek 42
SECTION: 44 46 LOT: 55 48 50
52 NEAREST TOWN: CLARKSVILLE MD 71

DRILLER INFORMATION

Driller's Name: RALPH E. MAYNE 76 License No.: M S D 119 81
Firm Name: Ralph Mayne Well Drilling
Address: 12024 Hardy Rd Mt. Airy, MD 21220
Signature: [Signature] Date: 4/14/12

B 4

SOURCES OF DRILLING WATER

1. well
2.
3.

11 STREET ADDRESS: ASHLEIGH DR. 30
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX):
220ft. 200 37
DISTANCE FROM ROAD: 40
ENTER FT OR MI: 38 39
TAX MAP: 28 BLK: 11 PARCEL: 49

B 2

WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.): 5 8 12
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

Howard A520385 13
COUNTY NAME: Howard COUNTY NO.: 13
STATE SIGNATURE: [Signature] INSERT S → 41
DATE ISSUED: 09/10/2012 43 MM DD YY 48
GO SIGNATURE: [Signature] EXP. DATE: 9/10/2013

APPROXIMATE DEPTH OF WELL: 150 24 28 FEET

APPROXIMATE DIAMETER OF WELL: 64 NEAREST INCH

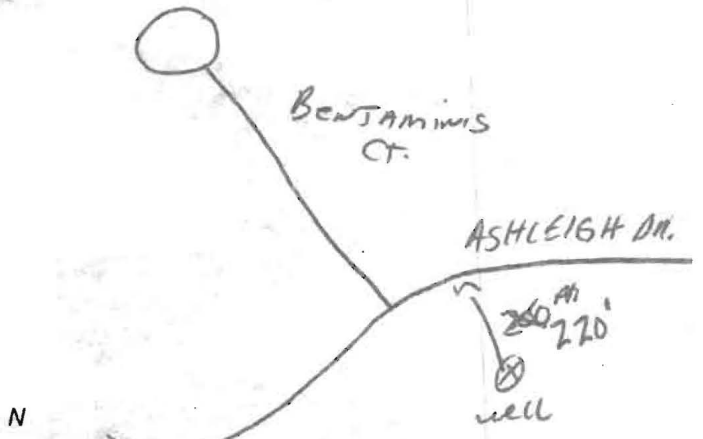
METHOD OF DRILLING (circle one)

BORED (or Augered) JETTED Jetted & DRIVEN
30 AIR-ROtary AIR-PERcussion ROTARY (Hydraulic Rotary)
31 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
 - 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

PROPOSED LOCATION OF WELL ON LOT
SHOW PERMANENT STRUCTURES SUCH AS BUILDINGS, SEPTIC SYSTEM,
ROADS AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO
DISTANCE MEASUREMENTS TO WELL



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

APPROP. PERMIT NUMBER: HQ2006G020
PERMIT No. 40 -95 -2367 70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS

NOTE: APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED
Reservoir Sample required at yield test/All wells must be at least 100' apart

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 Pump Service Inc Telephone #: 301-432-0370
Address: 6711 Old National Rd
Bowie, Md 2103

(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 E. Griffith License# 20035

*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: Craig Max Harms Telephone #: 103-932-0523
Subdivision: Landon Creek Lot #: 55 Well Tag #: HO-95-2637
Site Address: 12196 Highland Farm Way
Ellicott City, Md 21042 2367

Submersible Pump Data Pitless Adapter Well Cap and Electric Conduit
Make: Sta-Gu Make: Arman Grout Two piece watertight cap: y
Model #: 537-445-0520 Model #: PTV-2 Screened, vented well cap: y
Pump Capacity 5 GPM Depth: 36 (36" min) Cap secured to casing: y
Well Yield: 5 GPM NSF/WSC approved: y Conduit min 18" B.G.: y
Depth of well encountered at time of pump installation: 265 (feet) Conduit secured to well cap: y
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

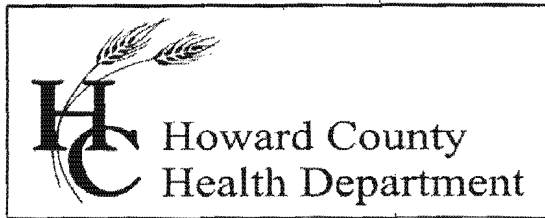
Piping to house House Connection
Type: Poly PVC sleeve to undisturbed soil at wall penetration: y
PSI: 200 (160 psi min) Length of sleeve(5' minimum from foundation): 20
Depth of supply line: 36 (36" min) Sleeve sealed properly: y

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: 9-31-2015

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

Date Insp. Requested: 9/1/15 Date Insp. Approved: 9/1/15 Inspector: SC
Inspection Data: Pitless adapter watertight & water supply line at least 36" below grade [check]
Two piece cap installed and attached to casing securely [check]
Elec. conduit extends at least 18" below grade/attached to cap properly [check]
Safety rope not outside of well cap/casing [check]
Correct well tag attached properly and casing 8" above finished grade [check]
Water supply line sleeved adequately at house connection [check]
Adequate grout observed below pitless adapter [check]



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

Facebook: www.facebook.com/hocohealth

Twitter: HowardCoHealthDep

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

INTERIM CERTIFICATE OF POTABILITY

Expiration Date – JUNE 3, 2016

December 3, 2015

Homeowner
12145 Hayland Farm Way
Ellicott City, MD 21042

**RE: Walnut Creek, Lot 55
12145 Hayland Farm Way
Building Permit: B15002172
Well Permit: HO-95-2367**

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 **12/3/2015**. Final approval of the well line connection to the dwelling was granted on **9/1/2015**. The well construction was completed on **9/17/2012**. Water samples were collected on **11/20/2015 & 11/30/2015**.

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 **9/10/2012**. Results showed a Gross Alpha level of 2.6 ± 1.3 pCi/L and **Gross Beta** level of 4.8 ± 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-95-2367. Although the submitted sample results are in compliance with COMAR standards, the Health Department does not guarantee water supplies.

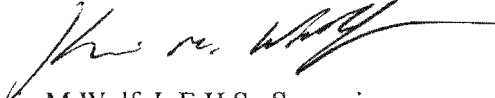
This Interim Certificate of Potability will expire **six months** from the date of issuance. Submission of a second bacteriological test indicating the water is free of coliform and fecal coliform bacteria is required prior to the expiration date, after which time a Final Certificate of Potability will 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>

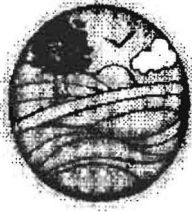
In closing, please refer to our "Homeowner Fact Sheet" for understanding your Best Available Technology (BAT) for your onsite sewage disposal. You will also find a link to Maryland Department of the Environments website which elaborates in further detail operation and maintenance of your BAT.

Approving Authority,

A handwritten signature in black ink, appearing to read "Kevin M. Wolf", written over a horizontal line.

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



Fredericktowne Labs Inc.

ENVIRONMENTAL TESTING

7020 Venture Court • P.O. Box 245 • Myererville MD 21773 • 800-332-3348 • FAX 301-293-2366
 www.fredericktownelabs.com • info@fredericktownelabs.com

Certificate of Analysis

Acct. No. 3948 - 1420-1

Field Record

Site visit performed on: Monday, November 30, 2015 10:00 AM
 by: Don Thomas State ID No. 8765DT
 Affiliation: Tri-County Pump Service Inc.
 Property Owner: Craftmark Homes
 Project: Lot 55
 Property Address: 12145 Hayland Farm Way
 Ellicott City, MD 21042
 Sample Source: 1st Floor Powder Room
 Well No.: HO-95-2367
 Field pH: 7.5
 Total Free Res. Cl.: <0.1 mg/l

Laboratory Report

Sample Received at laboratory: 11/30/2015 1:56 PM

Inorganic Chemical results:

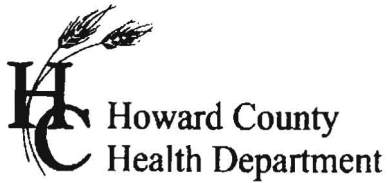
| <u>Parameter</u> | <u>Result</u> <u>Units</u> | <u>MCL</u> | <u>Date of Analysis</u> | <u>Method</u> | <u>Analyst</u> |
|------------------|----------------------------|------------|-------------------------|---------------|----------------|
| Nitrate-Nitrogen | 1.0 mg/l | 10 | 11/30/2015 | 300.0 | PH |
| Sand | <2 mg/l | 5 | 11/30/2015 | 0.065mmFilter | JD |
| Turbidity | 0.9 NTU' | 10 | 11/30/2015 | 180.1 | KMW |

Reported by: 

Name

Date

Fredericktowne Labs, Inc. is a State Certified Water Quality Laboratory
 Maryland Cert. No. 118 Virginia Cert. No. 00444
 MDOT WBE Cert. No.: 91-158



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:

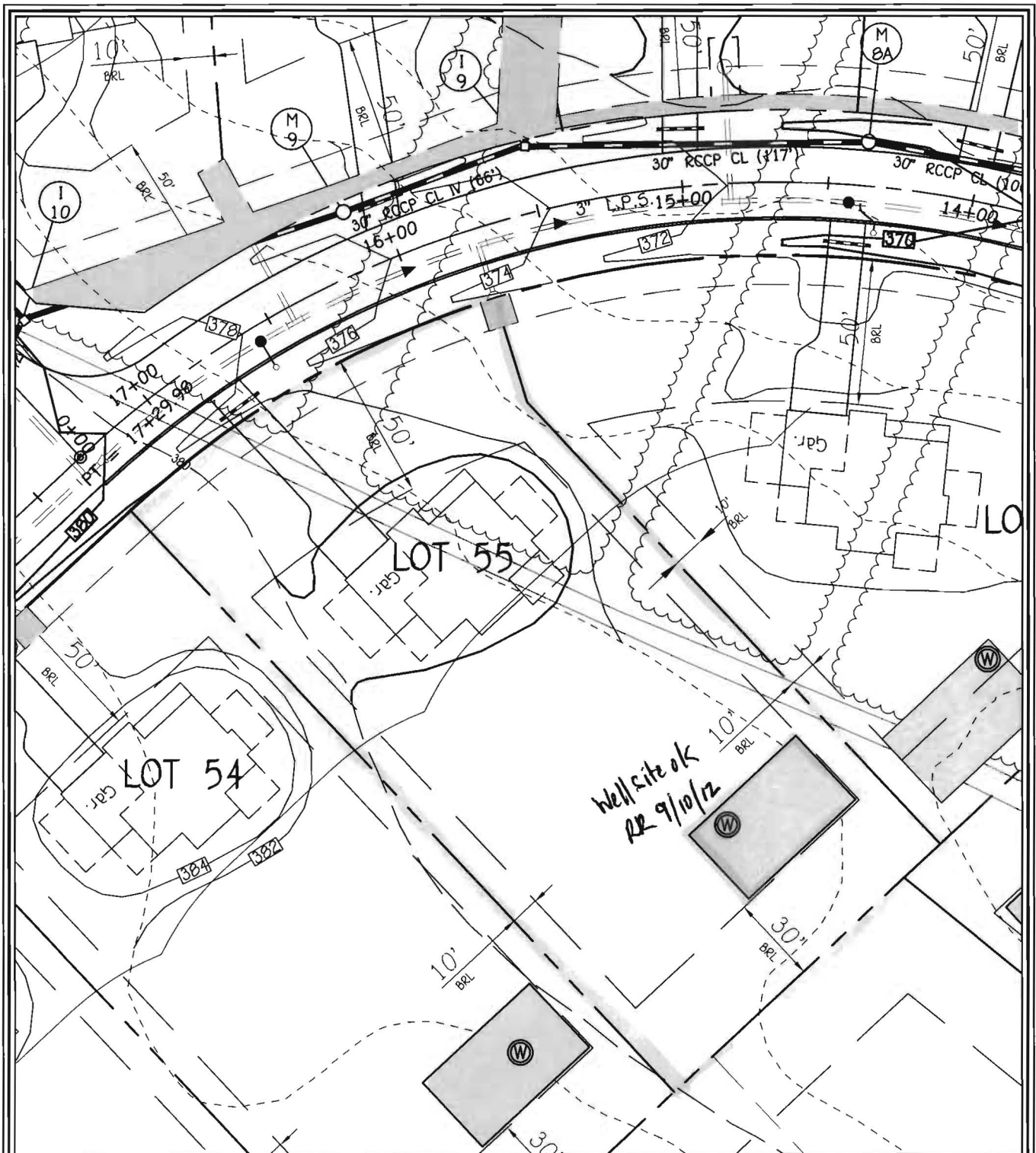
Well Site Location:

| | | |
|---------------------------|-----------|-----------------------|
| <u>Walnut Creek</u> | <u>55</u> | <u>Ashleigh Drive</u> |
| Subdivision/Property Name | Lot # | Road Name |

- The well site has been staked by Fisher, Collins, and Carter, Inc.,
(professional land surveyor or company employing professional land surveyors)
on 04/22/12 (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



WELL LOCATION INFORMATION:
 NORTHING = 572,176.18 EASTING = 1,327,571.79
 LATITUDE = N39°14'16" LONGITUDE = W76°56'46"

**LOT 55 WELL MAP
 WALNUT CREEK
 PHASE TWO**

Lots 23 - 60, Non-Buildable Preservation Parcels
 'C', 'G', 'T', 'K', 'L' And 'M', Buildable Bulk Parcels 'E' And 'H'
 & Non-Buildable Parcel 'J'
 ZONED: RC-DEO & RR-DEO
 TAX MAP No. 20 GRID Nos. 4, 5, 10-12, 17, AND 18 PARCEL No. 49
 FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 DATE: AUGUST 30, 2012 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 - 2855

Send Report To:

Bert Nixon

Howard County Health Department
Bureau of Environmental Health
7178 Columbia Gateway Drive
Columbia, Maryland 21046

State of Maryland
DHMH - Laboratories Administration
Division of Environmental Chemistry
RADIATION LABORATORY
201 W. Preston Street, Baltimore, Maryland 21201
John M. DeBoy, Dr. P. H., Director

LABORATORY ANALYSIS REQUEST

Sample Bottle No. A: HOKW2367 No. B: Field Blank Bottle No. 1: FBKW91712 No B:

Plant/Site Name: Walnut Creek - Lot 55 County: Howard

Sample Source: Ashleigh Dr. Location: HO-95-2367
(well no, lab sink, sample tap, etc.)

County: 1 3 Plant No.

CHECK (one per box)

| | |
|----------------|-------------------------------------|
| Drinking Water | <input checked="" type="checkbox"/> |
| Landfill | <input type="checkbox"/> |
| Stream | <input type="checkbox"/> |
| Other | <input type="checkbox"/> |

| | |
|---------------|-------------------------------------|
| Community | <input type="checkbox"/> |
| Non-community | <input type="checkbox"/> |
| Private | <input checked="" type="checkbox"/> |
| Other | <input type="checkbox"/> |

| | |
|------------------------|-------------------------------------|
| Source (raw water) | <input checked="" type="checkbox"/> |
| Distribution (treated) | <input type="checkbox"/> |
| MCL | <input type="checkbox"/> |

| | |
|-----------|-------------------------------------|
| Emergency | <input type="checkbox"/> |
| Routine | <input checked="" type="checkbox"/> |
| Recheck | <input type="checkbox"/> |
| Special | <input type="checkbox"/> |

Collector: K. Wolf

Telephone No.: 410 313 2645

Date Collected: 9/17/12

Time Collected: a.m. 12 p.m.

Nitric Acid Preserved: Yes No

Iced: Yes No

Submitters Code:

Federal Project:

Field Data: pH Chlorine

Remarks:

| ✓ | Test | EPA Code | Laboratory No. | Results (pCi/L) | Date Analyzed | Date Reported |
|---|-----------------------|----------|----------------|-----------------|---------------|---------------|
| ✓ | Gross Alpha | 4000 | | | | |
| ✓ | Gross Beta | 4100 | | | | |
| | Radon-222 Bottle A | 4004 | | | | |
| | Radon-222 Bottle B | 4004 | | | | |
| | Field Blank #A | 4004 | | | | |
| | Field Blank #B | 4004 | | | | |
| | Tritium | | | | | |
| | Ra - 226 | 4020 | | | | |
| | Ra - 228 | 4030 | | | | |
| | Total Uranium | 4006 | | | | |
| | | | | | | |
| | | | | | | |

Date Received: / /

Supervisor:

•Tel. No.: (410) 767 - 5537 •Fax No: (410) 333- 5373

Send Report To:

Bert Nixon
County Health Department
Bureau of Environmental Health
7178 Columbia Gateway Drive
Columbia, Maryland 21046

State of Maryland
DHMH - Laboratories Administration

Division of Environmental Chemistry
RADIATION LABORATORY

201 W. Preston Street, Baltimore, Maryland 21201
John M. DeBoy, Dr. P. H., Director

LABORATORY ANALYSIS REQUEST

Sample Bottle No. A: No. B: Field Blank Bottle No. 1: FBKW 91712 No B:

Plant/Site Name: HCHD County: Howard

Sample Source: Distilled H₂O Location: Lab
(well no, lab sink, sample tap, etc.)

County: 1 3 Plant No.

CHECK (one per box)

Drinking Water
Landfill
Stream
Other

Community
Non-community
Private
Other

Source (raw water)
Distribution (treated)
MCL

Emergency
Routine
Recheck
Special

Collector: K. W. A

Telephone No.: 410 313 2645

Date Collected: 9/12/12

Time Collected: a.m. 4:00 p.m.

Nitric Acid Preserved: Yes No

Iced: Yes No

Submitters Code:

Federal Project:

Field Data: pH Chlorine

Remarks:

| ✓ | Test | EPA Code | Laboratory No. | Results (pCi/L) | Date Analyzed | Date Reported |
|---|-----------------------|----------|----------------|-----------------|---------------|---------------|
| | Gross Alpha | 4000 | | | | |
| | Gross Beta | 4100 | | | | |
| | Radon-222 Bottle A | 4004 | | | | |
| | Radon-222 Bottle B | 4004 | | | | |
| ✓ | Field Blank #A | 4004 | | | | |
| | Field Blank #B | 4004 | | | | |
| | Tritium | | | | | |
| | Ra - 226 | 4020 | | | | |
| | Ra - 228 | 4030 | | | | |
| | Total Uranium | 4006 | | | | |
| | | | | | | |
| | | | | | | |

Date Received: / /

Supervisor:

•Tel. No.: (410) 767 - 5537 •Fax No: (410) 333- 5373



Fredericktowne Labs Inc.

ENVIRONMENTAL TESTING

3020 Ventrise Court • P.O. BOX 245 • Myersville, MD 21775 • 800-352-3340 • FAX 301-293-2368
www.fredericktownelabs.com • info@fredericktownelabs.com

Certificate of Analysis

Acct. No. 3948 - 1413-1

Field Record

Site visit performed on: Friday, November 20, 2015 1:06 PM
by: Jeremy Merrell State ID No. 3701JM
Affiliation: Tri-County Pump Service

Property Owner: Lot 55
Property Address: 12145 Hayland Farm Way
Ellicott City, MD 21042
Sample Source: 1st Floor Powder Room

Well No.: HO-95-2367
Field pH: 7.5
Total Free Res. Cl.: <0.1 mg/l

Laboratory Report

Sample Received at laboratory: 11/20/2015 2:24 PM

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 | 11/20/15 | 15:16 | 11/21/15 | 15:32 | 9223B | KB |

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: Jeremy Merrell 11/23/15
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