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: Do It Plumbing LLC Telephone #: 240 382 0069
Address: 9925 old mill rd
Ellicott City MD 21042

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer
License # and name of individual responsible for the field installation:
Name (Print): Dean Gabel License# 21895
***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: TBD Telephone #: 410-880-0023
Subdivision: Walnut Creek Lot #: 22 Well Tag #: HO-94-4182
Site Address: 5106 clay Circle LN
Ellicott City MD 21042

Submersible Pump Data
Make: Myers
Model #: 25S52-12PH-PH-2
Pump Capacity 12 GPM
Well Yield: 12 GPM

Pitless Adapter
Make: American Granby
Model#: PT8CC-CF
Depth: 42 (36" min)
NSF/WSC approved: yes

Well Cap and Electric Conduit
Two piece watertight cap: yes
Screened, vented well cap: yes
Cap secured to casing: yes
Conduit min 18" B.G.: yes
Conduit secured to well cap: yes

Depth of well encountered at time of pump installation: 180 (feet)
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 NA

Piping to house
Type: Plastic 851
PSI: yes (160 psi min)
Depth of supply line: 42" (36" min)

House Connection
PVC sleeve to undisturbed soil at wall penetration: yes
Length of sleeve(5' minimum from foundation): 10 ft
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 — Oct 5, 2015 date

---

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

Date Insp. Requested: _____ Date Insp. Approved: 11/5/15 Inspector: (KW)

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

OK

Howard County Health Department

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 – MAY 5, 2016

November 5, 2015

Homeowner
5106 Clay Circle Lane
Ellicott City, MD 21042

RE: Walnut Creek, Lot 22
5106 Clay Circle Lane
Building Permit: B14003220
Well Permit: HO-94-4182

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 **10/14/2015.** Final approval of the well line connection to the dwelling was granted on **11/5/2015.** The well construction was completed on **9/19/2006.** Water samples were collected on **10/21/2015.**

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 **5/22/2013**. Results showed a Gross Alpha level of **2.0** ± 0.0 **pCi/L** and **Gross Beta** level of **4.0 ± 0.0 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-94-4182. 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

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

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 Rossman, M.D., Health Officer

October 10, 2013

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

RE: Walnut Creek Lot 22
5106 Clay Circle Lane
Well Tag: HO - 94 – 4182

Dear Mr. Feaga:

A sample was collected during a yield test on May 22, 2013 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 **< 2.0 ± 0.0 picocuries/liter (pCi/L),** while the **Gross Beta** level was **< 4.0 ± 0.0 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,

Bert Nixon

Bert Nixon, Director
Bureau of Environmental Health

Enclosure
cc: Well & Septic property file

FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.

1413 Old Taneytown Rd. Westminster, MD (410) 848-1014 (410) 876-4554 FAX (410) 848-0298

REPORT OF ANALYSIS

Laboratory ID #:	103824	Account #:	4035
Reference:	Walnut Creek Lot 22	Company:	Trinity Quality Homes, Inc.
Location:	5106 Clay Circle Lane	Requested By:	Michael Pfau
	Ellicott City, MD 21042	Source:	Well Water
Date/ Time Collected:	10/21/2015 1040	Site:	Pressure Tank
Date/Time Rec'd:	10/21/2015 1255	Treatment:	Prior to Sediment Filter
Chlorine ppm:	Free: ND Total: ND	pH:	7.2
Collected By:	J. Yeager 6176JY	Well #:	HO-94-4182

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	<1.0	MPN/ 100 ml	<1.0	SM18 9223	10/22/2015 / 0800 / CCH
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM18 9223	10/22/2015 / 0800 / CCH
Nitrate	8.03	mg/L	10	601	10/21/2015 / 1400 / CRS
Turbidity	0.56	NTU	<10	SM18 2130B	10/21/2015 / 1440 / CRS
Sand	NS	mg/L	5	Visual/Gravimetric	10/21/2015 / 1440 / CRS

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. NS = None Seen (NS indicates less than 5 mg/L)
4. NTU = Nephelometric Turbidity Units
5. Results less than or within the reference range are considered satisfactory and within potable water limits at the time of sampling.
6. ND:None Detected
7. Visual well check: Sealed, vented cap
8. pH & Chlorine level tested on site

Reason for Test : Use & Occupancy
Building Permit # : B14003220

Date Reported: 10/22/2015 Reviewed By: _____

MD State Certification # 133

SEND REPORT TO: Ber + Nixon
Howard Co. Env. Health
7178 Columbia Gateway Dr.
Columbia, MD 21046

DEPARTMENT OF HEALTH AND MENTAL HYGIENE
Laboratories Administration
201 W. Preston St., Baltimore, MD 21201
Robert A. Myers, Ph.D., Director

Lab No.
E00251[illegible]

RADIATION ANALYSIS REQUEST FORM

Plant/Site Name: Walnut Creek-Lot22 County: Howard

Sample Source: 5106 Clay Circle Ln. Location: HO-94-4182
(Well no., lab sink, sample tap, etc.)

Radon-222 Bottle A 944182RB Radon-222 Field Blank Bottle A 4182
Bottle B _____ Bottle B _____

County 13 Plant No.

CHECK (one per Box)

Type		Service		Point of Collection		Testing	
Drinking Water	X	Community	☐	Source (Raw)	X	Emergency	☐
Landfill	☐	Non-Community	☐	Distribution (treated)	☐	Routine	X
Stream	☐	Private	X	MCL	☐	Recheck	☐
Other _____	☐	Other _____	☐			Special	☐

Submitters Code: Federal Project:

Collector: B. Baker Telephone No.: (410) 313-2643

Date Collected: 5/22/2013 Time Collected: 11:30 a.m. _____ p.m.

Field pH: _____ Field Chlorine: _____

Nitric Acid Preserved: Yes X No ☐ Iced: Yes ☐ No X

Remarks: Sample Collected During Yield Test

☒	TEST	EPA Code	Lab No.	Method No.	Results (pCi/L)	Date Analyzed	Analyst	Date Reported
X	Gross Alpha	4000	2646	EPA 900.0	<2.0	05/30/13	C Watty-Boyd	05/31/13
X	Gross Beta	4100	2646	"	<4.0	"	"	"
☐	Radium-226	4020						
☐	Radium-228	4030						
☐	Total Uranium	4006						
☐	Radon-222 (Bottle A)	4004						
☐	Radon-222 (Bottle B)	4004						
☐	Radon Field Blank A	4004						
☐	Radon Field Blank B	4004						
☐	Tritium							
☐								

Date Received: 5/29/13 Received By: C Watty-Boyd

Data Release Signature: [signature] Date: 6/3/13

Lab Use Only	Yes	No	N/A
Sample Intact upon arrival?	✓		
Sample pH <2.0?	✓		
Received within holding time?	✓		

R3251PT
45166
10/10/13

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

FORM REVISED 01/13
DHMH 4540 01/13

CUSTOMER COPY I

SEND REPORT TO: Ber + Nixon
Howard Co. Env. Health
7178 Columbia Gateway Dr.
Columbia, MD 21046

DEPARTMENT OF HEALTH AND MENTAL HYGIENE
Laboratories Administration
201 W. Preston St., Baltimore, MD 21201
Robert A. Myers, Ph.D., Director

Lab No. E00254 [illegible]

RADIATION ANALYSIS REQUEST FORM

Plant/Site Name: Walnut Creek-Lot22 County: Howard

Sample Source: 5106 Clay Circle Ln. Location: HO-94-4182
(Well no., lab sink, sample tap, etc.)

Radon-222 Bottle A 944182BB
Bottle B

Radon-222 Field Blank Bottle A 4182
Bottle B

County 13 Plant No.

CHECK (one per Box)

Type		Service		Point of Collection		Testing	
Drinking Water	X	Community	☐	Source (Raw)	X	Emergency	☐
Landfill	☐	Non-Community	☐	Distribution (treated)	☐	Routine	X
Stream	☐	Private	X	MCL	☐	Recheck	☐
Other ____	☐	Other ____	☐			Special	☐

Submitters Code: Federal Project:

Collector: B. Baker Telephone No.: (410) 313-2643

Date Collected: 5/22/2013 Time Collected: 11:30 a.m. ____ p.m.

Field pH: Field Chlorine:

Nitric Acid Preserved: Yes X No Iced: Yes No X

Remarks: Sample Collected During Yield Test

☒	TEST	EPA Code	Lab No.	Method No.	Results (pCi/L)	Date Analyzed	Analyst	Date Reported
X	Gross Alpha	4000	2641	EPA 900.0	< 2.0	05/30/13	C Watty-Boyd	05/31/13
X	Gross Beta	4100	2641	"	< 4.0	"	"	"
☐	Radium-226	4020						
☐	Radium-228	4030						
☐	Total Uranium	4006						
☐	Radon-222 (Bottle A)	4004						
☐	Radon-222 (Bottle B)	4004						
☐	Radon Field Blank A	4004						
☐	Radon Field Blank B	4004						
☐	Tritium							
☐								

Date Received: 5/29/13 Received By: C. Watty-Boyd

Data Release Signature: [signature] Date: 6/3/13

Lab Use Only	Yes	No	N/A
Sample Intact upon arrival?	✓		
Sample pH <2.0?	✓		
Received within holding time?	✓		

R3251PT
45166
10/10/13

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

CUSTOMER COPY I