



Bureau of Environmental Health  
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Maura J. Rossman, M.D., Health Officer

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**INTERIM CERTIFICATE OF POTABILITY**  
**PERMANENT DEVIATION FOR NITRATES**

Expiration Date – April 25, 2014

October 25, 2013

Homeowner  
14900 Meriwether Drive  
Glenelg, MD 21737

**RE: Meriwether Farms, Lot 30**  
**14900 Meriwether Drive**  
**Building Permit: B13000721**  
**Well Permit: HO-95-2168**

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 **8/14/2013**. Final approval of the well line connection to the dwelling was granted on **8/20/2013**. The well construction was completed on **7/21/2011**. Water samples were collected on **9/17/2013, 9/26/2013 & 10/3/2013**.

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.

The untreated water sample collected on **9/17/2013** indicated a nitrate level of **10.5 mg/L**. **This exceeds the maximum contaminant limit of 10 mg/L set forth in COMAR 26.04.04.09**. After installation of a nitrate removal device (kitchen tap reverse osmosis system), a post-treatment water sample was collected on **9/26/2013** and indicated a nitrate level of **1.64 mg/L**.

This Department will grant a **permanent deviation** to the Interim Certificate of Potability on condition that the nitrate removal system effectively maintains a nitrate-nitrogen contaminant level of **10 mg/L or less**.

**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 nitrates analysis perform a yearly nitrate analysis.

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-95-2168. 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>

Approving Authority,



Heidi Scott, L.E.H.S.  
Environmental Sanitarian  
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 FAX (410) 848-0298

**REPORT OF ANALYSIS**

Laboratory ID #:	91251	Account #:	1930
Reference:	Toll Brothers Lot 30	Company:	Fogle's Well Drilling
Location:	14900 Meriwether Drive Glenelg, MD 21737	Requested By:	Dave Fogle
Date/ Time Collected:	9/26/2013 1114	Source:	Well Water
Date/Time Rec'd:	9/26/2013 1350	Site:	R/O Tap
Chlorine ppm:	Free: ND Total: ND	Treatment:	Reverse Osmosis
Collected By:	J. Fogle 1974JF	pH:	6.2
		Well #:	HO-95-2168

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Nitrate	1.64	mg/L	10	601	9/27/2013 / 1445 / CCH

**NOTES**

- 1 mg/L = milligrams per liter (also, parts per million)
- 2 Results less than or within the reference range are considered satisfactory and within potable water limits at the time of sampling.
- 3 ND:None Detected
- 4 Sample collected by client, analyzed as received
- 5 pH tested in lab, chlorine level tested on site

Reason for Test : Use &amp; Occupancy

Building Permit # : B13000721

Date Reported: 9/27/2013

**REPORT OF ANALYSIS**

Laboratory ID #:	91036	Account #:	1930
Reference:	Toll Brothers Lot 30	Company:	Fogle's Well Drilling
Location:	14900 Meriwether Drive Glencig, MD 21737	Requested By:	Dave Fogle
Date/ Time Collected:	9/17/2013 1137	Source:	Well Water
Date/Time Rec'd:	9/17/2013 1520	Site:	Kitchen Sink Tap
Chlorine ppm:	Free: ND Total: ND	Treatment:	None
Collected By:	J. Fogle 1974JF	pH:	6.5
		Well #:	HO-95-2168

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	65.9	MPN/ 100 ml	<1.0	SM18 9223	9/18/2013 / 1045 / CCH
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM18 9223	9/18/2013 / 1045 / CCH
Nitrate	10.5	mg/L	10	601	9/18/2013 / 1230 / CCH
Turbidity	2.54	NTU	<10	SM18 2130B	9/18/2013 / 0920 / JKW
Sand	NS	mg/L	5	Visual/Gravimetric	9/18/2013 / 0914 / JKW

**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 Sample collected by client, analyzed as received
- 8 pH tested in lab, chlorine level tested on site

Reason for Test : Use & Occupancy  
 Building Permit # : B13000721

Date Reported: 9/18/2013

## REPORT OF ANALYSIS

Laboratory ID #:	91379	Account #:	1930
Reference:	Toll Brothers Lot 30	Company:	Fogle's Well Drilling
Location:	14900 Meriwether Drive Glenelg, MD 21737	Requested By:	Dave Fogle
Date/ Time Collected:	10/3/2013 1331	Source:	Well Water
Date/Time Rec'd:	10/3/2013 1430	Site:	Pressure Tank
Chlorine ppm:	Free: ND Total: ND	Treatment:	Prior to Reverse Osmosis
Collected By:	J. Fogle 1974JF	pH:	5.2
		Well #:	HO-95-2168

Bacteria, Coliform, Total, MPN	<1.0	MPN/ 100 ml	<1.0	SM18 9223	10/4/2013 / 1600 / LLO
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM18 9223	10/4/2013 / 1600 / LLO

### NOTES

- 1 MPN/ 100 ml = Most Probable Number [of viable bacteria] per 100 ml of sample.
- 2 Results less than or within the reference range are considered satisfactory and within potable water limits at the time of sampling.
- 3 ND: None Detected
- 4 Sample collected by client, analyzed as received
- 5 pH tested in lab, chlorine level tested on site

Reason for Test : Use & Occupancy  
Building Permit # : B13000721

Date Reported: 10/7/2013

## REPORT OF ANALYSIS

Laboratory ID #:	91252	Account #:	1930
Reference:	Toll Brothers Lot 30	Company:	Fogle's Well Drilling
Location:	14900 Meriwether Drive Glenelg, MD 21737	Requested By:	Dave Fogle
Date/ Time Collected:	9/26/2013 1114	Source:	Well Water
Date/Time Rec'd:	9/26/2013 1350	Site:	Kitchen Sink Tap
Chlorine ppm:	Free: ND Total: ND	Treatment:	Prior to Reverse Osmosis
Collected By:	J. Fogle 1974JF	pH:	5.6
		Well #:	HO-95-2168

Bacteria, Coliform, Total, MPN	6.4	MPN/ 100 ml	<1.0	SM18 9223	9/27/2013 / 1030 / LLO
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM18 9223	9/27/2013 / 1030 / LLO

### NOTES

- 1 MPN/ 100 ml = Most Probable Number [of viable bacteria] per 100 ml of sample.
- 2 Results less than or within the reference range are considered satisfactory and within potable water limits at the time of sampling.
- 3 ND:None Detected
- 4 Sample collected by client, analyzed as received
- 5 pH tested in lab, chlorine level tested on site

Reason for Test : Use & Occupancy  
Building Permit # : B13000721

Date Reported: 9/27/2013

**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: Fogles Well Drilling LLC Telephone #: 443-609-4195  
Address: PO Box 202  
Woodbine, MD 21797

(Must circle one) Licensed Plumber  Licensed Well Driller  Licensed Well Pump Installer

License # and name of individual responsible for the field installation:

Name (Print): Allen Compton License# MSD009

\*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: Toll Brothers Telephone #: 410-489-7407  
Subdivision: Cattail Overlook Lot #: 30 Well Tag #: HO-95-2168  
Site Address: 1400 Meriwether Dr  
Glenelg, MD 21737

<u>Submersible Pump Data</u>	<u>Pitless Adapter</u>	<u>Well Cap and Electric Conduit</u>
Make: <u>Grundfos</u>	Make: <u>Campbell</u>	Two piece watertight cap: <u>yes</u>
Model #: <u>ESSE07-180</u>	Model#: <u>N/A</u>	Screened, vented well cap: <u>yes</u>
Pump Capacity <u>7</u> GPM	Depth: <u>36"</u> (36" min)	Cap secured to casing: <u>yes</u>
Well Yield: <u>10</u> GPM	NSF/WSC approved: <u>yes</u>	Conduit min 18" B.G.: <u>yes</u>
Depth of well encountered at time of pump installation: <u>205</u> (feet)		Conduit secured to well cap: <u>yes</u>
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 <u>inside of well casing</u> <u>N/A</u>		

<u>Piping to house</u>	<u>House Connection</u>
Type: <u>1" poly pipe</u>	PVC sleeve to undisturbed soil at wall penetration: <u>yes</u>
PSE: <u>160</u> (160 psi min)	Length of sleeve (5' minimum from foundation): <u>6'</u>
Depth of supply line: <u>42"</u> (36" min)	Sleeve sealed properly: <u>yes</u>

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: Allen Compton date: 8-19-13

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

Date Insp. Requested: \_\_\_\_\_ Date Insp. Approved: \_\_\_\_\_ Inspector: \_\_\_\_\_

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 3" above finished grade \_\_\_\_\_  
Water supply line sleeved adequately at house connection \_\_\_\_\_  
Adequate grout observed below pitless adapter \_\_\_\_\_