

Bureau of Environmental Health  
7178 Columbia Gateway Drive, Columbia, MD 21046-2147  
Main: 410-313-6300 | Fax: 410-313-6303  
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[www.hchealth.org](http://www.hchealth.org)  
Facebook: [www.facebook.com/hocohealth](http://www.facebook.com/hocohealth)  
Twitter: HowardCoHealthDep

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

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

Expiration Date – April 24, 2014

October 24, 2013

Homeowner  
14671 Triadelphia Road  
Glenelg, Maryland 21737

**RE: Warfield Estates II, Lot #8**  
**14671 Triadelphia Road**  
**Building Permit: BB13001005**  
**Well Permit: HO-95-1504**

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 **7/22/2013**. Final approval of the well line connection to the dwelling was granted on **7/11/2013**. The well construction was completed on **05/02/2008**. Water samples were collected on **09/04/2013**.

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 **08/13/2013** indicated a nitrate level of **10.6 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 **09/04/2013** and indicated a nitrate level of **4.2 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-95-1504. 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,



Dana Bernard, REHS/RS  
Environmental Sanitarian  
Well & Septic Program

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

**TRACE LABORATORIES, INC**

5 North Park Drive  
Hunt Valley, MD 21030 USA  
Telephone: 410/584-9099 / Fax: 410/584-9117  
Website: [www.tracelabs.com](http://www.tracelabs.com) / Email: [info@tracelabs.com](mailto:info@tracelabs.com)

Maryland State Certified Laboratory #318

**CERTIFICATE OF ANALYSIS****Requester:**

Rick Cross  
Robert L. Feezer Company  
6321 Barnett Avenue  
Sykesville, Maryland 21784

**S/O Number:** 90360

**Report Date:** September 5, 2013

**Property Sampled:** 14671 Triadelphia Road, 21737  
**Sample Location:** Kitchen R/O Tap  
**Residual Chlorine:** <0.1 mg/L

**Building Permit #:** B13001005  
**Sampler ID #:** 7483AM  
**Samples Iced:** Yes

**County:** Howard  
**Map:** 27

**Subdivision:** The Warfields II S2 RSB  
**Parcel:** 114 **Lot #:** 8

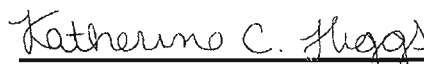
**Date/Time Collected in Field:** September 4, 2013 @ 11:25 am  
**Date/Time Received in Lab:** September 4, 2013 @ 3:35 pm

**Well Tag #:** HO-95-1504  
**Well Condition:** 2-Piece Cap, Satisfactory

**Water Treatment/Conditioning:** Softener, Neutralizer, Reverse Osmosis (R/O)

PARAMETER	METHOD	MCL	RESULT	PASS/FAIL
Nitrate	SM 4500D	10 mg/L as N	4.2 mg/L as N	Pass

The results in this report relate only to those items tested. If any additional information or clarification of this report is required, please contact us. This test report shall not be reproduced except in full without the written approval of Trace Laboratories Inc.

  
Katherine C. Higgs  
Manager – Drinking Water Testing



Bureau of Environmental Health  
7178 Columbia Gateway Drive, Columbia, MD 21046-2147  
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Maura J. Rossman, M.D., Health Officer

**REQUEST FOR PERMANENT DEVIATION TO  
NITRATE STANDARDS FOR CERTIFICATE OF POTABILITY**

DATE: September 4, 2013 WELL PERMIT #: HO - 95 - 1504

PROPERTY OWNER: Angie and William Kirchoff

SUBDIVISION & LOT #: Warfields II- lot # 8


PROPERTY ADDRESS: 14671 Triadelphia Road

**CONDITIONS:**

- 1) The well installed under permit # HO -95 - 1504 has been documented to have a nitrate level of 10.6 ppm, which exceeds the MCL of 10 ppm.
- 2) After installation and operation of a nitrate filtration system, water samples collected on 9/4/13 indicated that the nitrate contamination has been reduced to <4.2 ppm at the primary drinking tap.

I hereby request that a Permanent Deviation to COMAR 26.04.04.09 be granted for the well installed under permit HO - 95 - 1504 I am fully aware of the conditions under which this deviation will be granted, and of my responsibilities as the well owner, which include advising any future buyer/ tenant of the installation, condition and maintenance responsibilities of the nitrate removal device.

Prospective Owner's Original Signature(s) [Person(s) that intend to live in the dwelling]

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Prospective Owner's Day Time Phone Number(s)

 \_\_\_\_\_

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Maryland State Certified Laboratory #318

**CERTIFICATE OF ANALYSIS****Requester:**

Rick Cross  
Robert L. Feezer Company  
6321 Barnett Avenue  
Sykesville, Maryland 21784

**S/O Number:** 90043**Report Date:** August 14, 2013

**Property Sampled:** 14671 Triadelphia Road, 21737  
**Sample Location:** Pressure Tank Tap  
**Residual Chlorine:** <0.1 mg/L

**Building Permit #:** B13001005  
**Sampler ID #:** 7483AM  
**Samples Iced:** Yes

**County:** Howard  
**Map:** 27

**Subdivision:** The Warfields II S2 RSB  
**Parcel:** 114

**Lot #:** 8**Date/Time Collected in Field:** August 13, 2013 @ 1:25 pm**Date/Time Received in Lab:** August 13, 2013 @ 3:00 pm**Well Tag #:** HO-95-1504**Well Condition:** 2-Piece Cap, Satisfactory**Water Treatment/Conditioning:** Softener, Neutralizer

PARAMETER	METHOD	MCL/*SMCL	RESULT	PASS/FAIL
Total Coliform	SM 9223B	Absent	Absent	Pass
E. coli	SM 9223B	Absent	Absent	Pass
Nitrate	SM 4500D	10 mg/L as N	10.6 mg/L as N	FAIL
Turbidity	EPA 180.1	10 NTU	5.2 NTU	Pass
pH	EPA 150.1	*6.5-8.5 Units	6.2 Units	***
Sand		Absent	Absent	Pass

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Katherine C. Higgs

Manager - Drinking Water Testing

MCL: Maximum Contamination Level, an enforceable level established by the EPA

\*SMCL: Secondary Maximum Contamination Level, a level recommended by the EPA

\*\*\*A non-enforceable parameter that may cause cosmetic effects or aesthetic effects (such as taste, color or odor) in drinking water.

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: Robert L. Feezer Co., Inc. Telephone #: 410-781-4655  
Address: 6321 Barnett Avenue  
Sykesville, MD 21784

(Must circle one) Licensed Plumber      Licensed Well Driller      Licensed Well Pump Installer  
License # and name of individual responsible for the field installation:

Name (Print): Robert L. Feezer License# 2122

**\*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: NV Homes Telephone #: 410-379-5956  
Subdivision: Warfield Estates II Lot #: 8008 Well Tag #: HO - 95 - 1504  
Site Address: 14671 Triadelphia Road  
Glenelg, MD 21737

**Submersible Pump Data**

Make: Berkeley  
Model #: B7P4MS07221  
Pump Capacity 7 GPM  
Well Yield: 15 GPM

**Pitless Adapter**

Make: Boshart  
Model#: P-100-SS  
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: 200 (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 N/A

**Piping to house**

Type: Poly  
PSI: 200 (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'  
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.

Robert L. Feezer  
Signature of company representative responsible for installation  
June 5, 2013  
date

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

Date Insp. Requested: Date Insp. Approved: 7/11/13 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 ✓