

**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: WTC III P+H Telephone #: 443 3981782  
Address: 1820 Gillis Falls Rd  
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): William T Cumberland License# 7979

**\*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: Math Harbin Telephone #: 301-473-3336  
Subdivision: \_\_\_\_\_ Lot #: \_\_\_\_\_ Well Tag #: HO-95-1787  
Site Address: 15045 Old Fredrick Rd

**Submersible Pump Data**

Make: Grundfos  
Model #: 180  
Pump Capacity contant GPM  
Well Yield: 26 Pm GPM

**Pitless Adapter**

Make: Campbell  
Model#: \_\_\_\_\_  
Depth: 48" (36" min)  
NSF/WSC approved: \_\_\_\_\_

**Well Cap and Electric Conduit**

Two piece watertight cap:   
Screened, vented well cap: \_\_\_\_\_  
Cap secured to casing: \_\_\_\_\_  
Conduit min 18" B.G.: \_\_\_\_\_  
Conduit secured to well cap: \_\_\_\_\_

Depth of well encountered at time of pump installation: \_\_\_\_\_ (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

**Piping to house**

Type: Plastic  
PSI: 160 (160 psi min)  
Depth of supply line: \_\_\_\_\_ (36" min)

**House Connection**

PVC sleeve to undisturbed soil at wall penetration:   
Length of sleeve (5' minimum from foundation): 5 ft  
Sleeve sealed properly:

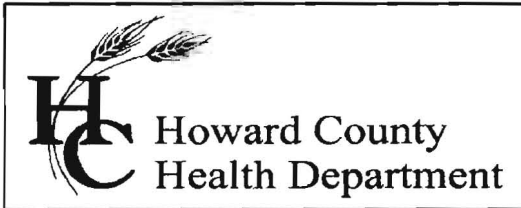
The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.

Signature of company representative responsible for installation

date 1/27/15

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

Date Insp. Requested: 1/15/15 Date Insp. Approved: 1/15/15 Inspector: SC  
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



## Bureau of Environmental Health

8930 Stanford Blvd., 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)  
Twitter: HowardCoHealthDep

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

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### **INTERIM CERTIFICATE OF POTABILITY**

**Expiration Date – SEPTEMBER 19, 2015**

*March 19, 2015*

Homeowner  
15045 Old Frederick Road  
Woodbine, MD 21797

**RE:** Harbin Acres, Lot 6  
15045 Old Frederick Road  
**Building Permit: B14002938**  
**Well Permit: HO-95-1787**

Dear Homeowner:

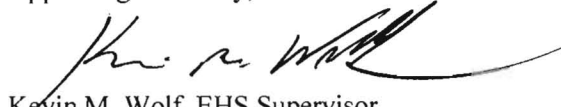
This is to advise you that the septic system installation and water well construction for the above referenced property have been inspected and approved. Final approval of the septic system was granted on 12/5/2014. Final approval of the well line connection to the dwelling was granted on 1/15/2015. The well construction was completed on 8/31/2007. Water samples were collected on 2/25/2015 & 3/10/2015.

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. 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-95-1787. 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 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,

A handwritten signature in black ink, appearing to read "Kevin M. Wolf", with a long, sweeping horizontal stroke extending to the right.

Kevin M. Wolf, EHS Supervisor  
Environmental Health Specialist  
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 Blvd  
Columbia, MD 21045  
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website: [www.hchealth.org](http://www.hchealth.org)

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

Emailed to: [sharbin@howardcountymd.gov](mailto:sharbin@howardcountymd.gov)

February 26, 2015

Ms. Shirley Harbin  
15045 OLD FREDERICK RD  
WOODBINE, MD 21797

**RE: Water Sample Results**  
**15045 OLD FREDERICK RD**  
**Invoice #: 30477**

Dear Ms. Harbin,

We have received the results from the testing of the water sample(s) taken from the above referenced property on February 25, 2015. A description of the results and the established standards for each test is included below. Standards such as maximum contaminant levels (MCL), secondary maximum contaminant levels (SMCL), and drinking water equivalency levels (DWEL) are established by the EPA and other agencies to provide a reference for determining when action should be taken. These standards help to improve the overall quality of your water or ensure that steps are taken to treat the water to prevent you and your family from getting sick. Typically, no water is completely free of contamination but you should be concerned if the level of contamination for a particular test exceeds the standard.

The results from the **Bacteria** testing found that bacteria was present in the sample taken from the bathroom faucet and at this time is not considered safe for all uses. According to drinking water standards there should be no bacteria present.

Please contact the Health Department at (410) 313-1773 between 8:30 a.m. and 4:30 p.m., Monday through Friday if you have any questions regarding these test results.

Sincerely,

Ramar Martin, R.S.  
Community Hygiene Program

Enclosures

410-370-5320

SEND REPORT TO:  
Howard County Health Department  
Bureau of Environmental Health  
8930 Stamford Blvd.  
Columbia, Maryland 21045  
PHONE NO.:

STATE OF MARYLAND  
DEPARTMENT OF HEALTH AND MENTAL HYGIENE  
LABORATORIES ADMINISTRATION  
201 West Preston Street, Baltimore MD 21201  
Robert A. Myers, Ph.D., Director  
**BACTERIOLOGICAL DRINKING WATER REPORT**

LABORATORY:  
 CENTRAL (410) 767-8145  
 E. SHORE REGIONAL (410) 219-0008  
 W. MD REGIONAL (301) 769-5115  
**009287**

Category Code: **UG** Inv. No. **30477** Lab No. **009287**

FIELD RECORD \* Send results to:  
S. Harbin @ howardcounty.md  
900

Sample Type: Community  Non-Community  Non-Transient  Private  Check Sample  C.O.P.  Bottled Water  OTHER:

Source: **Shirley Harbor**  
Location: **15045 Old Frederick Rd, Woodbine**  
Iced: Yes  No  Treated: Yes  No   
Date Collected: **2/25/15** Time Collected: **11:00**  a.m.  p.m.  
Collector Name: **Baleslav Sakhar** Collector ID No.: **3179 BS**  
Collector Tel. No.: **410-319-1787** Bottle No.: **HC 15045** County: **Howard**

Test Requested:  
Quantitative: Coli-Count  Enterolert   
P/A: Coli-Count  Enterolert   
Multiple Tube Fermentation: MTF  MTF (AI Method-Source Water Only)   
Heterotrophic Plate Count (HPC-Pour Plate Method)   
OTHER:

COMMENTS: **BATH ROOM 1-51 1100V**

County: **03** Plant No. **02** Sampling Station **02**  
pH **7.3** Res. Cl: Free **0** Total **0** Card No. **0**

LABORATORY RECORD (DHMH Use Only)

Test Method(s):  
 SM 9223 Coli-Count  SM 9223 Coli-Count QT  SM 9223 Coli-Count-18  
 SM 9221 B (MTF)  SM 9221 B; E (MTF)  SM 9221 E (AI)  
 SM 9221.5B (HPC)  Enterolert  ASTM D 6309-99  
 OTHER:

Temperature Control: **3.9**  
Thiosulfate:  Present  Absent  Undetermined

P/A TEST (Coli-Count/Enterolert)		QUANTITATIVE TEST (Coli-Count QT/Enterolert)			HETEROTROPHIC PLATE COUNT		
100 mL sample	MPN/100mL	Dilution	100 mL sample	# Positive wells	MPN/100 mL	Plate A: <input type="checkbox"/>	Plate B: <input type="checkbox"/>
Total coliforms		<input type="checkbox"/> 1:10	Total coliforms	<b>20</b>	<b>25</b>	Incubate 24-48.72 hrs/HPC (HPC/ml) = <input type="text"/>	
E. coli		<input type="checkbox"/> 1:100	E. coli	<b>0</b>	<b>1</b>		
Enterococci		<input type="checkbox"/> 1:1000	Enterococci				

RECEIVED  
FEB 25 '15 2:03  
FEB 25 '15 3:49  
PLACED IN INCUBATOR  
FEB 26 '15 3:52  
RESULTS READ/REPORTED

PRESUMPTIVE MTF TEST

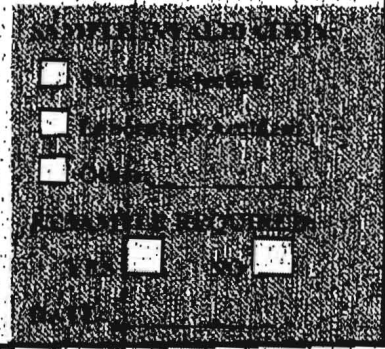
mL of Sample	10 mL
Gas/24h	
Gas/48h	

CONFIRMED MTF TEST (MTF/AI Method)

mL of Sample	10 mL
Total Coliforms	
E. coli	
Coliforms	

RESULTS

No. of Positives (+)	MPN/100mL



ANALYZED BY/DATE: **J. Hylton 2-26-15** REVIEWED BY/DATE: **L. Payne 2-26-15**

REMARKS:  FAX  MAIL  EMAIL

This report shall not be reproduced except in full without the written approval of the laboratory. Results only valid for sample received.  
DHMH-86 11/13 Original-Laboratory



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

Twitter: HowardCoHealthDep

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

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### WELL AND WATER SUPPLY SYSTEM DISINFECTION

The purpose of well chlorination is to kill bacteria which may be introduced into wells during well drilling, pump installation and plumbing activities. Chlorination should not be expected to provide any permanent solution to a contamination problem since the process only destroys existing bacteria. If a sample taken after a well is chlorinated shows the presence of bacteria, there may be a new contamination occurring, and possibly problems with the groundwater, well or plumbing exists.

Since chlorine kills all bacteria, if chlorine is found in a water sample, no bacterial analysis of that water can be conducted. To avoid delays in testing, it is important to carefully chlorinate a well without leaving excessive chlorine residuals.

Chlorine is available in liquid (household or commercial bleach) and solid forms that are available from swimming pool supply firms. Liquid bleach may float in a well, while granular solid chlorine may dissolve completely without going all the way to the bottom. Chlorine tablets may sit on the bottom dissolving slowly, often for extended periods of times. The most effective chlorination technique is to use a combination of liquid and solid chlorine. In wells over 225 feet deep, it is best to use both granular and tablet forms as well as liquid bleach.

#### INSTRUCTIONS:

1. Put the appropriate amount of solid chlorine into the well.
2. Mix the liquid bleach with 5 gallons of water. Pour into the well, rinsing the wires and casing.
3. Attach a garden hose to an outside hose bib, run water into the well for a minimum of ½ hour, or until bleach odor is detected from the hose.
4. Turn on each faucet, flush each toilet, run each shower, washing machine, and dishwasher until bleach is smelled at the fixture. Turn the water off.
5. Let water sit overnight.
6. Flush chlorinated well water onto the driveway. You should attempt to minimize contact between the chlorinated water and your lawn and/or garden as much as possible.
7. Make arrangements with a private certified water testing laboratory or the Health Department to resample the water supply.

#### WARNING:

**DO NOT ALLOW PEOPLE TO USE THE CHLORINATED WATER FOR DRINKING, BATHING, OR LAUNDRY.**



**Bureau of Environmental Health**

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 Facebook: www.facebook.com/hocohealth  
 Twitter: HowardCoHealthDep

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

**BE CAREFUL NOT TO RUN THE WELL DRY! FLUSH IN SMALL AMOUNTS IF YOU HAVE ANY CONCERN! (i.e. Flush for 20-30 minutes, then turn the water off for 30-60 minutes)**

**DO NOT FLUSH CHLORINATED WATER THROUGH THE SEPTIC SYSTEM, AS CHLORINE MAY DAMAGE IT!**

**TOO MUCH SOLID CHLORINE, ESPECIALLY TABLETS, CAN LEAVE CHLORINE RESIDUAL IN A WELL FOR MONTHS WHICH WILL PREVENT SAMPLING AND APPROVAL OF THE WELL!**

<u>Depth of Water In Well</u>	<u>Quantities of Pool Chlorine Granular and/or Tablets (70%)</u>	<u>Quantities of Home Laundry Bleach (5%)</u>
10 Feet	1 Tablespoon	or 1 Cup
20 Feet	3 Tablespoons	or 1 Cup
40 Feet	6 Tablespoons	or 2 Cups
80 Feet	9 Tablespoons	or 1 Quart
100 Feet	4 Ounces	or 1 ½ Quarts
150 Feet	6 Ounces	or 2 Quarts
180 Feet	8 Ounces	or 2 ½ Quarts
225 Feet	12 Ounces	or 3 Quarts
250 Feet	16 Ounces	or 4 Quarts

**\*\*>250 INCREASE AMOUNTS PROPORINATELY**

**BEST PRACTICE:**

To achieve optimum sanitation, refer to the above chart. It is best to use ½ of quantity of solid pool chlorine shown plus ½ of the liquid volume shown for a particular depth of water.

**NOTE:**

If you only have swimming pool chlorine, mix half of the listed amount in 10 gallons of water and use it for #2 of the instructions.

**Example 1**

Well is 125 feet deep. The water level is 25 feet down. The water depth is 100 feet. You may use 1½ quarts of liquid household bleach or 4 oz. of pool chlorine. The best practice is to use 0.75 quarts of bleach and 2 oz. of granular pool chlorine.

**Example 2**

Well is 250 feet deep. Water level is 25 feet down. The water is 225 feet deep. You may use 12 oz. of pool chlorine or 3 quarts of liquid bleach. As granular chlorine may dissolve before it reaches the bottom, the best practice may be to use ½ liquid bleach plus ¼ granular pool chlorine plus ¼ pool chlorine tablets.

SEND REPORT TO:

Howard County Health Department  
Bureau of Environmental Health  
8930 Stanford Blvd.  
Columbia, Maryland 21045

STATE OF MARYLAND  
DEPARTMENT OF HEALTH AND MENTAL HYGIENE  
LABORATORIES ADMINISTRATION  
201 West Preston Street, Baltimore MD 21201  
Robert A. Myers, Ph.D., Director

LABORATORY:

- CENTRAL (410) 767-6145
- E. SHORE REGIONAL (410) 219-9005
- W. MD REGIONAL (301) 759-5115

**BACTERIOLOGICAL DRINKING WATER REPORT**

Category Code: 4F

Lab No.: 009510

**FIELD RECORD**

*\*email results to: shorbh@howardcountymd.gov*

**Sample Type:**

- Community
- Non-Community
- Non-Transient
- Private
- Check Sample
- C.O.P.
- Bottled Water
- OTHER: \_\_\_\_\_

Source: Shirley Harbin  
 Location: 15045 Old Fredrick Rd, Woodbine  
 Iced: Yes  No  Treated: Yes  No   
 Date Collected: 3/10/15 Time Collected: 9:00  a.m.  p.m.  
 Collector Name: BORISLOV SHKLYAR Collector ID No.: 3179 B.S  
 Collector Tel. No.: 410-313-1787 Bottle No.: HCI5045 County: HOWARD

**Test Requested:**

- Quantitative: Colilert®-QT  Enterolert®
- P/A: Colilert®  Enterolert®
- Multiple Tube Fermentation: MTF  MTF (A1 Method-Source Waters Only)
- Heterotrophic Plate Count (HPC-Pour Plate Method)
- OTHER: \_\_\_\_\_

County Plant No. Sampling Station  
         
 pH Res. CI: Free Total Card No.

COMMENTS: BATHROOM 1st floor

**LABORATORY RECORD (DHMH Use Only)**

- Test  SM 9223 Colilert®  SM 9223 Colilert®-QT  SM 9223 Colilert®-18
- Method(s):  SM 9221 B (MTF)  SM 9221 B, E (MTF)  SM 9221 E (A1)
- (Check all that apply)  SM 92215B (HPC)  Enterolert® ASTMD 6503-99
- OTHER: \_\_\_\_\_

Temperature Control: 19c  
 Thiosulfate:  Present  Absent  Undetermined

**P/A TEST (Colilert®/Enterolert®) QUANTITATIVE TEST (Colilert®-QT/Enterolert®) HETEROTROPHIC PLATE COUNT**

100 mL sample	MPN/100mL	Dilution	100 mL sample	# Positive wells	MPN/100 mL
Total coliforms		<input type="checkbox"/> 1:10	Total coliforms	0	<1
<i>E. coli</i>		<input type="checkbox"/> 1:100	<i>E. coli</i>	0	<1
Enterococci		<input type="checkbox"/> 1:1000	Enterococci		

Plate A:  Plate B:   
 Incubate 24.48.72 hrs/HPC (HPC/ml) = \_\_\_\_\_

MAR 10 '15 PM 2:46  
 RECEIVED MAR 10 '15 PM 4:10  
 PLACED IN INCUBATOR MAR 11 '15 PM 4:20  
 RESULTS READ/REPORTED

**RECEIVED**  
 MAR 16 2015  
**CONFIRMED MTF TEST (MTF/A1 Method)**  
 mL of Sample 10 ml  
 Total Coliforms  
 Fecal Coliforms  
 HOWARD COUNTY HEALTH DEPT.  
 COMMUNITY HYGIENE PROGRAM

**RESULTS**

No. of Positives (+)	MPN/100mL

**SAMPLE INVALIDATION:**  
 Sample Rejection  
 Laboratory Accident  
 Other: \_\_\_\_\_  
**RESAMPLE REQUIRED:**  
 YES  NO   
 DATE: \_\_\_\_\_

ANALYZED BY/DATE: Player 3-11-15 REVIEWED BY/DATE: 9. hdm 3-11-15

REMARKS: \_\_\_\_\_  FAX  MAIL  EMAIL





State of Maryland  
 DHMH-Laboratories Administration  
 Division of Environmental Chemistry  
**INORGANICS ANALYTICAL LABORATORY**  
 201 W. Preston Street, Baltimore, Maryland 21201  
 Robert Myers, Ph.D., Director



## Certificate of Analysis

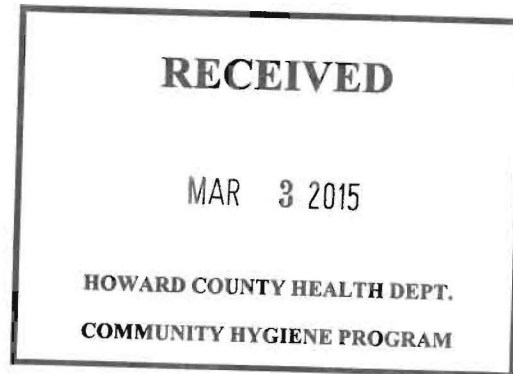
HOWARD CO ENVIRONMENTAL HLTH  
 8930 STANFORD BLVD  
 COLUMBIA, MD 21045

Lab Project NoE15002665 Date Coll. 02/25/2015 Date Received 02/25/2015 Submitted By:Shklyar

Field ID: HC 15045  
 Lab No.: E15002665002

<u>Analyte</u>	<u>Method</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>
Nitrate + Nitrite, as N	EPA 353.2	2.04	mg N/L	02/26/2015
Turbidity	EPA 180.1	5.5	NTU	02/26/2015

**Comments:**



Approved by: <u><i>Shabba Aneli</i></u>	Approval date: <u>02/27/2015</u>
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\*The following methods are included in our A2LA Scope of Accreditation: EPA150.1, EPA 353.2, EPA 375.2, SM4500F C, SM 4500-CN G & QCM-CN, QCM-CN.

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