



7178 Columbia Gateway Drive, Columbia, MD 21046  
(410) 313-2640 Fax (410) 313-2648  
TDD (410) 313-2323 Toll Free 1-866-313-6300  
website: [www.hchealth.org](http://www.hchealth.org)

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Penny E. Borenstein, M.D., M.P.H., Health Officer

August 30, 2005

Mr. & Mrs. Vincent Barrett  
8523 Reservoir Road  
Fulton, MD 20759

Dear Mr. and Mrs. Barrett:

Testing was performed on August 25, 2005 to assess the possible presence of **Gross Alpha** and **Gross Beta** in your well water supply. Gross Alpha and Gross Beta measure the total alpha and beta activity in a water supply. In turn, this can provide information regarding naturally occurring radiation (i.e. Radionuclides) that may exist in your water supply.

Results from this screening revealed a **Gross Alpha** of  $3 \pm 1$  picocuries/liter (pCi/L); while the **Gross Beta** level was  $3 \pm 2$  pCi/L. The **Gross Alpha** result was below the maximum contaminant level (MCL) of 15 pCi/L, while the **Gross Beta** was below the MCL of 50 pCi/L.

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 or concerns.

Sincerely,

Bert Nixon, Assistant Director  
Bureau of Environmental Health

Eric Dougherty, MDE, Water Mgmt., Groundwater



Howard County  
Health Department

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Penny E. Borenstein, M.D., M.P.H., Health Officer

**September 1, 2005**

**Ms. Barbara Barrett**  
**8523 Reservoir Road**  
**Fulton, MD 20759**

**Re: Doctor's Request**

**Dear Ms. Barrett:**

Sampling of the water supply serving your house was conducted on **August 25, 2005** to ascertain the presence/absence of **coliform and E. coli bacteria**.

The testing concluded the **absence of coliform and E. coli bacteria**. The water supply is considered safe for consumption.

A **nitrate** sample was also collected on **August 25, 2005** to ascertain the level of **nitrate** in your water supply. The **nitrate** level revealed was **1.8 ppm (parts per million)**. The **maximum contaminant level (MCL) is 10.0 ppm**.

A copy of each test report is enclosed for your information. If there are any questions, please call **(410)-313-1773** between 8:00 A.M. and 5:00 P.M.

**Sincerely,**

*Hank Oswald*

**Hank Oswald, Program Supervisor**  
**Community Hygiene Program**

**Enclosures**



STATE OF MARYLAND  
DEPARTMENT OF HEALTH AND MENTAL HYGIENE  
LABORATORIES ADMINISTRATION  
201 W. Preston Street  
PO BOX 2355, Baltimore, Maryland 21203  
John M. Deboy, Dr. P.H., Director

006599

Category Code 4F Laboratory No. \_\_\_\_\_

**BACTERIOLOGICAL DRINKING WATER REPORT**  
Field Record

Community <input type="checkbox"/> Non-Community <input type="checkbox"/> Non-Transient <input type="checkbox"/> Private <input checked="" type="checkbox"/> Check Sample <input type="checkbox"/> C.O.P. <input type="checkbox"/>	Source <u>Barbara Barrett (bathroom)</u> Location: <u>8523 Reservoir Rd sink</u> Iced: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <span style="float: right;"><input checked="" type="checkbox"/> a.m.</span> Treated Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Time Collected <u>9:40</u> <span style="float: right;"><input type="checkbox"/> p.m.</span> Collector # <u>3166KL</u> Bottle No. <u>HW 8523-3</u> Collector Name <u>Kerrie Lorch</u> County <u>Howard</u>
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TEST QUANTITATIVE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P/A	<input type="checkbox"/>	County	Plant No.	Sampling Station	Date Collected	
MTF	<input type="checkbox"/>	<u>13</u>			<u>08 25 05</u>	
pH	<u>6.0</u>	Res. Cl: Free	<u>00</u>	Total	<u>00</u>	Card No. <u>    </u>

**LABORATORY RECORD**

Thiosulfate: Pres.  Absent  Undetermined

**PRESUMPTIVE MTF • P/A TEST\***

**CONFIRMED MTF • P/A TEST**

ml. of Sample	10 ml.			100 ml.			ml. of Sample	10 ml.			100 ml.			No. of +
Gas, 24 hours							Coliforms †							
Gas, 48 hours							Fecal Coliforms ‡							

**P/A TEST (CONFIRMED)\*\*\***

**QUANTITATIVE TEST (CONFIRMED)\*\*\***

ml. of Sample	100ml.
Total Coliforms	<u>    </u>
E. Coli	<u>    </u>

100 ml. of Sample	No. of Pos	MPN
Total Coliforms		
E. Coli		

\*\* Presumptive Coliforms/100 ml. (Membrane Filter)

† Verified Total Coliforms/100 ml. (Membrane Filter)

‡ Verified Fecal Coliforms/100 ml. (Membrane Filter)

24 · 48 · 72 Hrs./Heterophilic Plate Count §/ml. =     

- \*\* using m Endo-Agar LES at 35° C incubation
- \* using Lauryl Sulfate Trypticase Broth at 35° C incubation
- † using Brilliant Green Lactose Bile Broth at 35° C incubation
- ‡ using EC Broth at 44.5° C incubation
- § using Plate Count Agar at 35° C incubation
- \*\*\* using ONPG-MUG at 35° C incubation

Remarks \_\_\_\_\_

Date & Hour

Laboratory

'05 AUG 25 PM 2:39

Rec'd

E. SHORE REG.

S. MD REG.

'05 AUG 25 PM 3:40

Exam

CENTRAL

W. MD REG.

'05 AUG 26 PM 4:10

Rept.

Bacteriologist M. Kelly

**Bob Weber**

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**From:** "Lisa Heyward" <lheyward@co.ho.md.us>  
**To:** "Bob Weber" <bweber@co.ho.md.us>  
**Sent:** Monday, August 22, 2005 5:07 PM  
**Subject:** [Fwd: Well testing]

----- Original Message -----

**Subject:** Well testing  
**Date:** Mon, 22 Aug 2005 13:45:18 -0400  
**From:** Barbara Barrett <bbarrett@healthydirections.com>  
**To:** <askhealth@co.ho.md.us>

Hello,

I am a Fulton resident. Recently, my daughter started to have digestive problems and her physician suggested that we get our well tested. I would like to know if there is a recommended entity for well testing. Does the county do this or is it a private business matter?

Barbara M Barrett  
8523 Reservoir Rd  
Fulton, MD 20759  
301-604-3381

*Called 8/22/05 - no answer  
- sent message (cc - Frank & Lisa Heyward)  
- tentative for 8/25/05 @ 9:30 am. (she called back  
& we have set the time & date for Kevin to go  
on Thursday.*

8/23/2005

Send Report To:

Howard County Health Department  
Bureau of Environmental Health  
7173 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  
J. Mehsen Joseph, Ph.D., Director

### LABORATORY ANALYSIS REQUEST

Sample Bottle No. A: HW8523-1 No. B: \_\_\_\_\_ Field Blank Bottle No. 1: \_\_\_\_\_ No. 2: \_\_\_\_\_

Plant/Site Name: Barbara Barrett County: Howard

Sample Source: 8523 Reservoir Rd Location: bathroom sink  
(well no., lab sink, sample tap, etc.)

County:  1  3 Plant No.

Collector: Kerrie Lorch Telephone No.: (410) 313-2774

Date Collected: 8/25/05 Time Collected: 9:40 a.m. \_\_\_\_\_ p.m.

Nitric Acid Preserved: Yes  No  Iced: Yes  No

Submitters Code:   Federal Project:  S Field Data: 6.0 0  
pH Chlorine

Remarks: \_\_\_\_\_

✓	Test	EPA Code	Laboratory No.	Results (pCi/L)	Date Reported
✓	Gross Alpha	4000	0341	3±1	08/29/05
✓	Gross Beta	4100	0341	3±2	08/29/05
	Radon-222 Bottle A	4004			
	Radon-222 Bottle B	4004			
	Field Blank #1	4004			
	Field Blank #2	4004			
	Tritium				
	Ra - 226	4020			
	Ra - 228	4030			
	Total Uranium	4006			

Date Received: 08/25/05

Section Chief: S. Lilligan

**rthompson@mail.co.ho.md.us**

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**Message: 1 of 4**   [Printable Version](#)

From: Barbara Barrett <bbarrett@healthydirections.com>   [Save Address](#) | [Headers](#)  
To: <rthompson@mail.co.ho.md.us>  
CC:  
Date: Wed, 24 Aug 2005 12:01:05 -0400  
Subject: **Re: Well Water Test**

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Hello Rose,

Attached to this message is the recommendation from Dr. Schub to have our well water tested for bacterial and parasitic contamination. Please let me know if you need anything else.

Barbara Barrett  
301-706-8817 (cell)  
301-604-3381 (home)



**Dr. Russell Schub, F.A.C.P., P.A.**

Board Certified

**Deborah Jackson, CRNP**

Certified Registered Nurse Practitioner

Have County check well water  
for bacterial/parasitic  
contamination

*Gastroenterology, Liver, Biliary, Pancreatic Diseases, Musculoskeletal Manipulation*

8675 Centre Park Drive • Suite D • Columbia, MD • 21045 • fax 410-730-2288

**410-730-1000**

On 8/23/05 11:05 AM, "Rose M. Thompson" <rthompson@mail.co.ho.md.us> wrote:

- > My office tried to reach you by telephone today on 8/22/05 @ 10:55 a.m. and
- > was unable to leave a message. However, If you could telephone me at (410)
- > 313-1773 we can schedule an appointment. Our office would like a letter from
- > your doctor requesting the test to be done. They can fax it to my attention
- > at (410) 313-2648 and we will waive the fee. We would like to schedule
- > something for Thursday morning at 9:30. (8/25/05). I await your telephone
- > call. Rose M. Thompson
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INVOICE# Fee WAIVED

8/25/05

of bac + 9/1/05  
of nitrite set 8/2/05  
of gross alpha (radon)

Fulton, Md. 20759

(301) 604-3381