

Bureau of Environmental Health
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

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

October 17, 2005

**Ms. Pat Bratchie
7116 Ramsgate Court
Clarksville, MD 21029**

Re: Invoice No. 5-008225

Dear Ms. Bratchie:

The water sample recently collected from your house on **September 27, 2005** was found to be free of coliform and E. coli bacteria. The water supply is currently considered bacteriologically safe for consumption.

A nitrate sample was also collected on **September 29, 2005** to ascertain the level of nitrate in your water supply. The nitrate level was **10.0 parts per million (ppm)**. 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, Program Supervisor
Community Hygiene Program**

Enclosures

SEP 29 2005

Partial List of Submitter Codes

Code Description

1-30 County Codes
41 Individual Septics & Wells Program
42 Public Drinking Water
43 Recreational Sanitation & Migrant
Camps, DHMH
44 STP Inspection Division
45 Hazardous & Solid Waste Admin.
(Landfill Samples)
46 Pre-Treatment Enforcement Division
48 Licensing and Certification, DHMH
52 Water Quality Monitoring Program

Code Description

53 Chesapeake Bay & Special Projects
59 Standards & Certification Program
63 Division of Food Control
64 Engineering & Maintenance, DHMH
65 Division of Community Services
66 Office of Attorney General
67 Dept. of General Services
77 E.P.A.
91 State Highway Administration
96 L.U.S.T./U.S.T./CERCLA
99 Unknown

Codes for Federally Funded Projects (leave box blank if not federal)

Code Description

S Safe Drinking Water Act (SDWA)

Code Description

N National Pollution Discharge
Elimination System (NPDES)

R Resource Conservation and
Recovery Act (RCRA)

M Miscellaneous (Other)

Partial List of Data Category Codes

Code Description

1F Sediment Samples
2A Industrial Effluents/Compliance
2B Industrial Grab
2C Municipal Compliance
2D Municipal Grab
4A MCL Surveys
4B Routine Monitoring & Other
Communities
4D Potable - County Community
4E Potable - Non Community
4F Potable - Private Wells
4G Real Estate Trans./Charge Samples

Code Description

2F Innovative Disposal
5A Solid Waste/Landfills
5B Kidney Dialysis
5C Commercial Bottled Waters
5D Misc. Wastewaters
5E Misc. River/Stream
5F Misc. Drinking Water
5G Swimming Pools
5H Marine or Estuarine Natural Bathing
Areas

Partial List of Error Codes

Code Description

A Laboratory Accident
C Mechanical/Materials failure
D Insufficient Sample
E Sample past holding time

Code Description

J Wrong sample type
RR No sample received
X Improper preservation
LL Mislabeled sample

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

Category Code 46 Lab. No. 009192

BACTERIOLOGICAL DRINKING WATER REPORT
Field Record

Source Pat Bratchie
Location: 7116 Ramsgate Ct.
Iced: Yes ☒ No ☐ ☒ a.m.
Treated: Yes ☐ No ☒ Time Collected 9:00 ☐ p.m.
Collector # 2477 Bottle No. HO-7116-27
Collector Name Pete Yersik County Howard
TEST
QUANTITATIVE ☐ P/A ☐ MTF ☐
pH 6.8 Res. CI: Free 00 Total ☐ Card No. 912705

LABORATORY RECORD

Thiosulfate: Pres. ☒ Absent ☐ Undetermined ☐

PRESUMPTIVE MTF • P/A TEST*

ml. of Sample	10 ml.	100 ml.
Gas. 24 hours		
Gas. 48 hours		

CONFIRMED MTF • P/A TEST

ml. of Sample	10 ml.	100 ml.	No. of +
Coliforms †			
Fecal Coliforms ‡			

P/A TEST (CONFIRMED) ***

ml. of Sample	100ml.
Total Coliforms	
E. Coli	

QUANTITATIVE TEST (CONFIRMED) ***

100 ml. of Sample	No. of Pos	MPN
Total Coliforms	<u>0/51</u>	<u>4</u>
E. Coli	<u>0/51</u>	<u>4</u>

** Presumptive Coliforms/100 ml. (Membrane Filter) = ☐

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

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

24 • 48 • 72 Hrs./Heterophic 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 SEP 27 PM 2:32

Rec.d

E. SHORE REG. ☐

S. MD REG. ☐

05 SEP 27 PM 2:57

Exam

CENTRAL ☒

W. MD REG. ☐

05 SEP 28 PM 3:09

Rept.

Bacteriologist

M. Kusk

Send Report To:

Howard County Health Department
Bureau of Environmental Health
7178 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. Mehse Joseph, Ph.D., Director

LABORATORY ANALYSIS REQUEST

Sample Bottle No. A: HO-7116-27 No. B: _____ Field Blank Bottle No. 1: _____ No. 2: _____

Plant/Site Name: Pat Bratchie County: Howard

Sample Source: 7116 Ramsgate Ct. Location: _____
(well no., lab sink, sample tap, etc.)

County: ☒ 1 ☒ 3 Plant No. ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Collector: Rek Yencsik Telephone No.: 410-313-1773

Date Collected: 9 / 27 / 05 Time Collected: 9:00 a.m. _____ p.m.

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

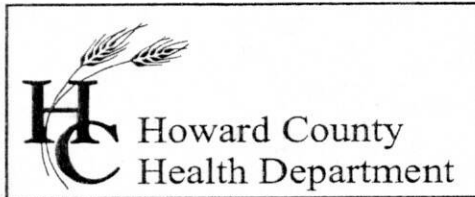
Submitters Code: ☐ ☐ Federal Project: ☒ S Field Data: 6.8 0.0
pH Chlorine

Remarks: _____

✓	Test	EPA Code	Laboratory No.	Results (pCi/L)	Date Reported
✓	Gross Alpha	4000	<u>0615</u>	<u>6±2</u>	<u>09/29/05</u>
✓	Gross Beta	4100	<u>0615</u>	<u>4±2</u>	<u>09/29/05</u>
	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: 09 / 27 / 05

Section Chief: S. Wise



Bureau of Environmental Health
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

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

October 3, 2005

Mr. & Mrs. Kenneth Bratchie
7116 Ramsgate Court
Clarksville, MD 21029

Dear Mr. and Mrs. Bratchie:

Testing was performed on September 27, 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 6 ± 2 picocuries/liter (pCi/L); while the **Gross Beta** level was 4 ± 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

Send Report To:

Howard County Health Department
Bureau of Environmental Health
7176 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. Mehse Joseph, Ph.D., Director

LABORATORY ANALYSIS REQUEST

Sample Bottle No. A: H0-7116-27 No. B: _____ Field Blank Bottle No. 1: _____ No. 2: _____

Plant/Site Name: Pat Bratchie County: Howard

Sample Source: 7116 Ramsgate Ct. Location: _____
(well no., lab sink, sample tap, etc.)

County: ☒ 1 ☒ 3 Plant No. ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Collector: Pete Yencsik Telephone No.: 410-313-1773

Date Collected: 9/27/05 Time Collected: 9:00 a.m. _____ p.m.

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

Submitters Code: ☐ ☐ Federal Project: ☒ S Field Data: 6.8 0.0
pH Chlorine

Remarks: _____

✓	Test	EPA Code	Laboratory No.	Results (pCi/L)	Date Reported
✓	Gross Alpha	4000	<u>0615</u>	<u>6±2</u>	<u>09/29/05</u>
✓	Gross Beta	4100	<u>0615</u>	<u>4±2</u>	<u>09/29/05</u>
	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: 09/27/05

Section Chief: S. Wise

INVOICE# 5-008225

alpha ☒ 10/3/05
gd Bac ☒
gd Nitrate ☒
9/27

INVOICE# 5-007496

11-28-06

Bact ☒ 12-13-06

Nitrate ☒ 12-4-06

Copper ☒ 12-7-06