

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 $\underline{\mathbb{E}}$. 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

Hank Oswald, Program Supervisor Community Hygiene Program

Enclosures

SEND REPORT TO:

Howard County Health Department

Bureau of Environmental Health

7178 Columbia Gateway Drive

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

Laboratories Administration

201 W. Preston St.

P.O. Box 2355, Baltimore, Maryland 21203

INV- 008225

WATER ANALYSIS

Lab No. Date Received

0300941 828 8

Columbi	ia, Maryland 21046	IER ANAL	Do not write above this line.			
S Bott Nur	tle H0-7116-27 Name Part	Bratc	thie county Howard Code 13			
M Sou	nce 7116 Ramsgate Ct.	THE SECTION .	Data Category Code			
P Coll	lected: Date 9/27/05 Time 9:00	He Yeves: k 410-313-1773 Submitter Code				
11	ECK (one per box)	la partition in ac	45 Hesaidous & Solid Wasie Admits			
Str	community Non-community Private Other	Source (raw Distribution MCL	Denties CO F 1 1			
I PI	pH Chlorine: Free O Total Specific Conductance					
D _	N Valional-Pollution Discharge Extraction System (NPDES)		(AWG2) the tests of content at 2			
CHECK TESTS	TESTS TESTS	ERROR CODE	RESULTS			
	Alkalinity (Total)					
	Ammonia - N		601691			
•	Chloride Colonomic State Character C		Code Description			
	Color*	1	and and control to provide a series			
	Conductance*, Spec.		GrusilgmoOktnoulif 3 lantaviral AC 2 2			
	Dissolved Solids		de de la constitución de la cons			

	Color*		and Statement William Statement	
	Conductance*, Spec.	40	Industrial Elifuenta/Compliant	AC STATE
	Dissolved Solids		Industrial Grab Medicipal Compliance	
	Hardness Malawalas W and Ga		Municipal Grabina - 1912	QS 3 4 4
	Fluoride		MCL Surveys	Ab S
	Nitrite, N The short of the sho		Communities	
X	Nitrate - Nitrite, N		10.0	9-28-05
	Sulfate	A State of the Land	Potable - Private Wells /	TALL OF THE REAL PROPERTY.
	Total Solids	ara salgmi	Real Estate Trans-Circles-1	O4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Turbidity*			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	Other:	o felij jamas		7 11 14
	Code Description		nongnozeQ s	Code
	37 ook olomis pnoek 4		Instructional Appropriate Control	
	AR No sample received in the second		Medianica/Materials foliure	
	Section of the sectio		Insufficient, Sample Barger past holding block	Q
)				
		PROPERTY OF STREET		

* Results reported in Units, all others in milligrams per liter (ppm)

Number of Tests Requested Section Chief Asoka I. Katumesuwa

Date

SEP 2 9 2005

Partial List of Submitter Codes

Howard County Health Department Bureau of Environmental Health 7178 Columbia Gafeway Drive Columbia, Waryland 21046

Code	Description	Code	Description 21046
1-30	County Codes	53	Chesapeake Bay & Special Projects
41	Individual Septics & Wells Program	59	Standards & Certification Program
42	Public Drinking Water	63	Division of Food Control
43	Recreational Sanitation & Migrant	64	Engineering & Maintenance, DHMH
2171	Camps, DHMH STP Inspection Division	65	Division of Community Services
45	Hazardous & Solid Waste Admin.	66	Office of Attorney General
	(Landfill Samples)	67	Dept. of General Services
46	Pre-Treatment Enforcement Division	77	E.P.A.
48	Licensing and Certification, DHMH	91	State Highway Administration
52	Water Quality Monitoring Program	96	L.U.S.T./U.S.T./CERCLA
XX Xeed	Preservation: Fred Acid A	99	Unknown

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

Code	Description	Code	<u>Description</u>
S	Safe Drinking Water Act (SDWA)	N	National Pollution Discharge Elimination System (NPDES)
B	Resource Conservation and Recovery Act (RCRA)	М	Miscellaneous (Other)

Partial List of Data Category Codes

Code	Description	Code	<u>Description</u>
1F	Sediment Samples	2F	Innovative Disposal
2A	Industrial Effluents/Compliance	5A	Solid Waste/Landfills
2B	Industrial Grab	5B	Kidney Dialysis
2C	Municipal Compliance	5C	Commercial Bottled Waters
2D	Municipal Grab	5D	Misc. Wastewaters
4A	MCL Surveys	5E	Misc. River/Stream
4B	Routine Monitoring & Other	5F	Misc. Drinking Water
	Communities	5G	Swimming Pools
4D	Potable - County Community	5H	Marine or Estuarine Natural Bathing
4E	Potable - Non Community		Areas
4F	Potable - Private Wells		Sulfate V
4G	Real Estate Trans./Charge Samples		

Partial List of Error Codes

Results reported in Units, all others in milligrams per liter (ppm)

Code	Description	Code	Description
A	Laboratory Accident	J	Wrong sample type
C	Mechanical/Materials failure	RR	No sample received
D	Insufficient Sample	X	Improper preservation
E	Sample past holding time	LL	Mislabeled sample

STATE OF MARYLAND

DEPARTMENT OF HEALTH AND MENTAL HYGIENE LABORATORIES ADMINISTRATION

201 W. Preston Street

	PO BOX 2355,	Baltimore, Maryland 21203 Deboy, Dr. P.H., Director
" Li	1	Lab. No
Category Code	BACTERIOLOGICA	AL DRINKING WATER REPORT
	Pat	Bratchie
	Source	6 Ramsgate Ct.
Community	Location:	□ a.m.
Non-Community	icea.	7:00 p.m.
Private	Treated Yes N	Time Collected
Check Sample	Collector #	to the thousand
C.O.P.	Collector Name	RE TENSIE County Tiberton
TEST QUANTITATIVE P/A MTF	County Plant No.	Sampling Station Page Collected Card No.
pH L		ORATORY RECORD
FIGURE WILLS	LABC	as. Absent Undetermined Undetermined
PRESUMPTIVE N	ATE • P/A TEST*	CONFIRMED MTF • P/A TEST
	0 ml. 100 ml.	mit of Sample 10 ml. 100 ml. No. of +
Gas. 24 hours	171	Colliorus †
Gas. 48 hours	1	Fecal :
uas. 45 nours	(3)	
P/A TEST	(CONFIRMED) * * *	QUANTITATIVE TEST (CONFIRMED) ***
ml. of Sample	100ml.	100 mi. of Sample 100 gran
Total Coliforms	7	Total Coliforms
E. Coli		E. Coli
	† Verified Total Coli ‡ Verified Fecal Col	Forms/100 mi. (Membrane Filter) =
	* using Lauryl * using Brillian	o-Agar LES at 35° C incubation Sulfate Trypticase Broth at 35° C incubation at Green Lactose Bile Broth at 35° C incubation
	a using EC Bro	oth at 44.5° C incubation
	e using Plate C	Count Agar at 35° C incubation -MUG at 35° C incubation
Remarks		Laboratory
NOT IN	Date & Hour	
(40) 5	EP 27 PM 2432	Rec.d E. SHORE REG. S. MD REG.
TANK C	EP 27 06 2.52 M	Exam CENTRAL W. MD REG.
'05 SE	P28PH 3:09 W	Rept. Bacteriologist M. Kash

PROCEDAM - COPY 2

Send Report To:

Howard County Health Department
Bureau of Environmental Health
71<u>78 Columbia Gateway Drive</u>
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

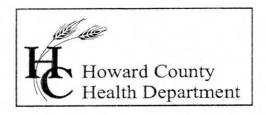
LABORATORY ANALYSIS REQUEST

Samp	ole Bottle No. A: HO-	7116-27No. B:	Field Blank l	Bottle No. 1:	_ No. 2:		
Plant	/Site Name: Pa+	Bratchie Ramsoute Co	Location:	County: Howa	rd		
Samp	Sample Source: 7116 Ramsgate Ct. Location: (well no., lab sink, sample tap, etc.)						
Colle	ctor: Rele Yence Collected: 9 / 27	sile	Telephone No.	o.: 410-313- ed: 9:00 a.i	1773		
Subn	c Acid Preserved: Yes nitters Code:						
1	Test	EPA Code	Laboratory No.	Results (pCi/L)	Date Reported		
/	Gross Alpha	4000	0615	6±2	09/29/05		
1	Gross Beta	4100	0615	4±2	69/29/05		
	Radon-222 Bottle A	4004					
	Radon-222 Bottle B	4004		· 1			
	Field Blank #1	4004					
	Field Blank #2	4004					
	Tritium			40	1		
	Ra - 226	4020	1 7 4 5	\			
	Ra - 228	4030	<i>t</i>				
	Total Uranium	4006					
\	Date Received: O Section Chief:		5		1		

FORM REVISED 5/02 DHMH 4540 12/02 • Tel. No.: (410) 767-5537

• Fax No.: (410) 333-5237

CUSTOMER COPY I



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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

Bed Nifen

Eric Dougherty, MDE, Water Mgmt., Groundwater

Send Report To:

Howard County Health Department Bureau of Environmental Health 7178 Columbia Galeway 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

			Field Blank Bottle No. 1: No. 2:					
Plant/Site Name: Pat Bratchie				County: Howard				
Samp	Plant/Site Name: Pat Bratchie Sample Source: 7116 Ramsgate Ct.		Location:	Location:(well no., lab sink, sample tap, etc.)				
	County: [1] 3 Plant No. Telephone No.: 410-313-1773 Date Collected: 9 1 27 1 05 Time Collected: 9:00 a.m. p.m.							
Nitric	Acid Preserved: Yes	No □	Iced: Yes	No 🗌				
Subm	itters Code:	Federal Projec	et: S Field Data	: <u>(2.8</u> ()	olorine			
Rema	rks:							
1	Test	EPA Code	Laboratory No.	Results (pCi/L)	Date Reported			
	Gross Alpha	4000	0615	6±2	09/29/05			
1	Gross Beta	4100	0615	4±2	09/29/05			
	Radon-222 Bottle A	4004						
	Radon-222 Bottle B	4004						
	Field Blank #1	4004						
	Field Blank #2	4004						
	Tritium ·							
	Ra - 226	4020		75				
	Ra - 228	4030						
	Total Uranium	4006						
	-							
				f a				
				,				
Date Received: 09 127 105 Section Chief: S. Wise								

FORM REVISED 5/02 DHMH 4540 12/02

• Tel. No.: (410) 767-5537 • Fax No.: (410) 333-5237

ORIGINAL - LABORATORY

Invoice# 5-008225

glipha V 19/3/05

This is a second of the second of

Invoice# 5-007496 11-28-06 Bact V 12-13-06 Nitrate V 12-4-06 Copper V 12-7-06