

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

November 9, 2005

**Ms. Debbie Riciglione
12457 Petrillo Drive
Highland, MD 20777**

Re: Invoice. No. 5-008255

Dear Ms. Riciglione:

A **nitrate** sample was also collected on **November 2, 2005** to ascertain the level of **nitrate** in your water supply. The **nitrate** level was **2.2 parts per million (ppm)**. The **maximum contaminant level (MCL)** is **10.0 ppm**.

The **turbidity** sample taken from your house on **November 2, 2005** revealed a **turbidity** level of **5.7 nephelometric turbidity units (NTU's)**. The **MCL** for this parameter is **10.0 NTU's**.

Sincerely,

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

Enclosures

SEND REPORT TO:

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

Lab No. Date Received

Howard County Health Department
Bureau of Environmental Health
7178 Columbia Gateway Drive
Columbia, Maryland 21046

Laboratories Administration
201 W. Preston St.
P.O. Box 2355, Baltimore, Maryland 21203

C301408 11-4-05

WATER ANALYSIS

Inv 5-008255

Do not write above this line.

SAMPLE ID

Bottle Number HW12457-2 Name D. Rughiano County Howard County Code 13

Source 12457 Petrucco Drive Data Category Code 4G

Collected: Date 11/2/05 Time 9:30 A Collector & Phone 4-313-1792 Submitter Code

CHECK (one per box)

Drinking Water <input checked="" type="checkbox"/>	Community Non-community Private Other <input type="checkbox"/>	Source (raw water) <input checked="" type="checkbox"/>	Emergency Routine Recheck Special <input type="checkbox"/>	Federal Project <u>5</u>
Landfill <input type="checkbox"/>	Stream <input type="checkbox"/>	Distribution (treated) <input type="checkbox"/>	MCL <input type="checkbox"/>	
Other <input type="checkbox"/>				

FIELD

Plant No. Sampling Station Preservation: Iced Acid Type of Acid H2SO4

pH 062 Chlorine: Free Total Specific Conductance

Notes to Lab/Remarks:

CHECK TESTS	TESTS	ERROR CODE	RESULTS
	Alkalinity (Total)		
	Ammonia - N		
	Chloride		
	Color*		
	Conductance*, Spec.		
	Dissolved Solids		
	Hardness		
	Fluoride		
	Nitrite, N		
✓	Nitrate - Nitrite, N		<u>2.2 11-04-05</u>
	Sulfate		
	Total Solids		
✓	Turbidity*		<u>5.7 11-4-05</u>
	Other:		

HOWARD COUNTY ENVIRONMENTAL
 2005 NOV -9 AM 7:49

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

Number of Tests Requested

Section Chief

Asoka I. Katumaluwa

Date Reported

NOV 7 2005

Partial List of Submitter Codes

Code Description

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

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

Code Description

S Safe Drinking Water Act (SDWA)

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

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

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

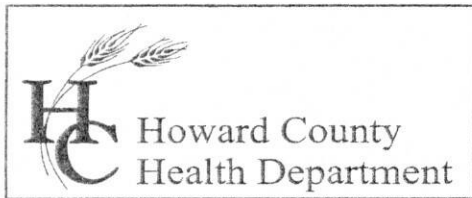
Partial List of Error Codes

Code Description

Code Description

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

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



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

November 8, 2005

Ms. Debbie Riciglione
12457 Petrillo Drive
Highland, MD 20777

Re: Invoice No. 5-008255

Dear Ms. Riciglione:

The water sample recently submitted for testing on ^{November 2} ~~October 2~~, 2005 was found to contain coliform bacteria indicating that some contamination is present. It is possible that some pathogenic bacteria could enter your water supply at anytime.

It is recommended that the well casing, well cap, and all plumbing fixtures be checked for defects and sources of contamination.

After inspection, your well should be sanitized following the enclosed guidelines. Please contact the Health Department at (410) 313-1773 to arrange for follow-up bacteria testing once you have completed the chlorination process. Presently, there is no charge for this service.

Sincerely yours,

Hank Oswald

Hank Oswald, Program Supervisor
Community Hygiene Program

Enclosures

Imo
5-008255

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 4G 301-854-2706 Lab. No. 012085
BACTERIOLOGICAL DRINKING WATER REPORT
Field Record

Source Dr. Ricigliano (Crown rd)
Location: 124570 Retullo Dr.
Iced: Yes No
Treated: Yes No Time Collected 9:30 a.m. p.m.
Collector # 203800 Bottle No. HW 57-2
Collector Name Stacy County Hoccod

TEST
QUANTITATIVE 13
P/A County Plant No. Sampling Station Date Collected 11/2/05
MTF
pH 060 Res. Cl: Free Total 00 Card No.

LABORATORY RECORD

Thiosulfate: Pres. Absent Undetermined

PRESUMPTIVE MTF • P/A TEST*				CONFIRMED MTF • P/A TEST				No. of +
ml. of Sample	10 ml.		100 ml.	ml. of Sample	10 ml.		100 ml.	
Gas. 24 hours								
Gas. 48 hours								
				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>1/51</u>	<u>1</u>
E. Coli	<u>0/51</u>	<u>4</u>

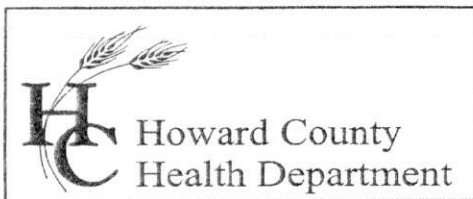
*-Reported
RESULTS TO
A. Hyatt:
11/3/05-92

** Presumptive Coliforms/100 ml. (Membrane Filter) =
† Verified Total Coliforms/100 ml. (Membrane Filter) =
‡ Verified Fecal Coliforms/100 ml. (Membrane Filter) =
24 · 48 · 72 Hrs./Heteropic 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 FIXED 11/7/05 LMP 1:17pm (4103132648)
Date & Hour '05 NOV 2 PM 2:31 Laboratory

Rec'd [Signature] E. SHORE REG. S. MD REG.
Exam [Signature] CENTRAL W. MD REG.
Rept. [Signature] Bacteriologist D. Kimmontan



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

November 16, 2005

Ms. Debbie Riglione
12457 Petrillo Drive
Highland, MD 20777

Re: Invoice No. 5-008255

Dear Ms. Riglione:

The results of the iron level was **0.44 parts per million (ppm)**. This finding is above the current **secondary maximum contaminant level (SMCL)** of **0.3 ppm**. The SMCL provides guidance for aesthetic considerations (primarily staining of laundry and plumbing fixtures).

Additionally, a sample was submitted to evaluate the potential level of **manganese**. The sample result was **0.05 ppm**. This finding is the current **SMCL** for **manganese** is **0.05 ppm**.

A copy of each test report is enclosed for your information. Please contact this office at **(410) 313-1773** between 8:00 A.M. and 5:00 P.M if you have any further questions.

Sincerely,

Hank Oswald

Hank Oswald, Program Supervisor
Community Hygiene Program

HO/rmt
Enclosures

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
MULTI-ELEMENT SECTION

201 W. Preston Street, Baltimore, Maryland 21201
John M. DeBoy, Dr. P.H. Director

Lab No. Date Received

701058 9-28
Do not write above this line

LABORATORY ANALYSIS REPORT

Inv 5-008255

Sample ID No: HW12457-2 Site Name: Dr. Roughtons County: Howard

Sample Source: 12457 Retrullo Dr. Highland Collector: C. Sleg
Street Town or City

Date Collected: 11/2/2005 Time Collected: 9:36 a.m. p.m. Phone #: 410-313-1792

Field Preserved: Yes No Preservative Used: HNO₃

Sample Type: Drinking Water Landfill Source (Raw Water) Liquid
 Community (MCL) Stream Distribution (Treated) Solid
 Non-Community Sediment Other
 Private

Specify Program: SDWA NPDES CWA RCRA Consumer Products Other

Type of Sample Preparation: TCLP Total Metals Total Metals Dissolved Metals
(field preparation required)

Remarks:

✓	Element	Date/Analyst	Results (ppm)	✓	Element	Date/Analyst	Results (ppm)
	Antimony				Copper		
	Arsenic				Lead		
	Barium				Aluminum		
	Beryllium				Calcium		
	Cadmium			✓	Iron		0.44
	Chromium				Magnesium		
	Mercury			✓	Manganese		0.05
	Nickel				Potassium		
	Selenium				Silver		
	Sodium				Zinc		
	Thallium						

Section Chief: [Signature]

Date Reported: 11/10/05