



Bureau of Environmental Health
8930 Stanford Blvd | Columbia, MD 21045
410.313.2640 - Voice/Relay
410.313.2648 - Fax
1.866.313.6300 - Toll Free

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

April 26, 2022

ROBERT GORDON
13715 FORSYTHE RD
SYKESVILLE, MD 21784

RE: 13715 FORSYTHE RD
SYKESVILLE, MD 21784

Dear Robert Gordon:

A sample was collected on April 14, 2022 and submitted to the Maryland Department of Health Laboratories to assess the possible presence of **Gross Alpha** and **Gross Beta** in the well water supply. **Gross Alpha** and **Gross Beta** measure the total alpha and beta particle activity in a water supply. These naturally occurring radioactive nuclides have been demonstrated to be present in a certain type of geologic formation known as the Baltimore Gneiss which exists in your area of development within the County.

Results from the test screening (sample taken from the bathroom sink) revealed a **Gross Alpha** of **< 2 picocuries/liter (pCi/L)**, while the **Gross Beta** level was **< 4 pCi/L**. The **Gross Alpha** result was well below its **maximum contaminant level (MCL)** of **15 pCi/L**, while the **Gross Beta** level was below its targeted standard of **50 pCi/L** (roughly equivalent to the **annual dose rate of 4 millirems/year**).

In addition, on the received laboratory result slip, a second lab analysis shows a **Gross Alpha** of **< 2 picocuries/liter (pCi/L)**, while the **Gross Beta** level was **< 4 pCi/L**.

At the time of testing and with respect to the initial test results and second lab analysis, your well water supply **does meet** EPA regulatory standards for **Gross Alpha and Gross Beta**. Given these screening results, additional testing to further evaluate these findings does not appear to be necessary.

A copy of the test results is enclosed for your information. Please call this office at **410-313-1773** if you have any further.

Sincerely,

Ramar Martin, Program Supervisor
Bureau of Environmental Health

Enclosure
cc: Property file

SEND REPORT TO:

State of Maryland
MDH Laboratories Administration
Division of Environmental Sciences
RADIATION LABORATORY
1770 Ashland Avenue
Baltimore, Maryland 21205

Lab No. ✓

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

LABORATORY ANALYSIS REQUEST FORM

Plant/Site Name: Robert Garden County: Howard

Sample Source: 13715 Forsythe Rd Location: _____
(Well no., lab sink, sample tap, etc.)

Radon-222 Bottle A HP 13715 Radon-222 Field Blank Bottle A _____
Bottle B _____ Bottle B _____

County: 13 Plant No. _____

CHECK (one per Box)

Type	
Drinking Water	<input checked="" type="checkbox"/>
Landfill	<input type="checkbox"/>
Stream	<input type="checkbox"/>
Other _____	<input type="checkbox"/>

Service	
Community	<input type="checkbox"/>
Non-Community	<input type="checkbox"/>
Private	<input checked="" type="checkbox"/>
Other _____	<input type="checkbox"/>

Point of Collection	
Source (Raw)	<input checked="" type="checkbox"/>
Distribution (treated)	<input type="checkbox"/>
MCL	<input type="checkbox"/>

Testing	
Emergency	<input type="checkbox"/>
Routine	<input type="checkbox"/>
Recheck	<input type="checkbox"/>
Special	<input type="checkbox"/>

Submitters Code: _____ Federal Project: 5

Collector: Boleslav Shklyar Telephone No.: 410-313-1781

Date Collected: 4/14/22 Time Collected: 9:11 a.m. _____ p.m.

Field pH: 6.7 Field Chlorine: 0.0

Nitric Acid Preserved: Yes No Iced: Yes No

Remarks: sample taken from bath house
water treatment (Sediment filter)

TEST	EPA Code	Lab No.	Method No.	Results (pCi/L)	Date Analyzed	Analyst	Date Reported
<input checked="" type="checkbox"/> Gross Alpha	4000	1968	EPA900.0	<2	4/15/22	L.R.	4/18/22
<input checked="" type="checkbox"/> Gross Beta	4100	1968	EPA900.0	<4	4/15/22	L.R.	4/18/22
<input type="checkbox"/> Radium-226	4020						
<input type="checkbox"/> Radium-228	4030						
<input type="checkbox"/> Total Uranium	4006						
<input type="checkbox"/> Radon-222 (Bottle A)	4004						
<input type="checkbox"/> Radon-222 (Bottle B)	4004						
<input type="checkbox"/> Radon Field Blank A	4004						
<input type="checkbox"/> Radon Field Blank B	4004						
<input type="checkbox"/> Tritium							
<input type="checkbox"/> Gross Alpha	4000	1968-Dip	EPA900.0	<2	4/15/22	L.R.	4/18/22
<input type="checkbox"/> Gross Beta	4100	1968-Dip	EPA900.0	<4	4/15/22	L.R.	4/18/22

Date Received: 4/14/22 Received By: F. K. [Signature]

Data Release Signature: [Signature] Date: 4/19/22

Lab Use Only	Yes	No	N/A
Sample Intact upon arrival?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample pH <2.0?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Received within holding time?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

HoCo Health Depart
APR 25 2022
Environmental Health

•Tel. No.: (443) 681-3766 •Fax No.: (443) 681-4507

SAMPLE TESTED AS RECEIVED

SEND REPORT TO:

State of Maryland
MDH Laboratories Administration
Division of Environmental Sciences
RADIATION LABORATORY
1770 Ashland Avenue
Baltimore, Maryland 21205

Lab No. ✓

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

LABORATORY ANALYSIS REQUEST FORM

Plant/Site Name: Robert Bellows County: HOWARD

Sample Source: 13715 Leona, The Rd Location: _____

(Well no., lab sink, sample tap, etc.)

Radon-222 Bottle A HP 13715 Radon-222 Field Blank Bottle A _____
Bottle B _____ Bottle B _____

County 113 Plant No. _____

CHECK (one per Box)

Type	Service	Point of Collection	Testing
Drinking Water <input type="checkbox"/>	Community <input type="checkbox"/>	Source (Raw) <input type="checkbox"/>	Emergency <input type="checkbox"/>
Landfill <input type="checkbox"/>	Non-Community <input type="checkbox"/>	Distribution (treated) <input type="checkbox"/>	Routine <input type="checkbox"/>
Stream <input type="checkbox"/>	Private <input checked="" type="checkbox"/>	MCL <input type="checkbox"/>	Recheck <input type="checkbox"/>
Other _____ <input type="checkbox"/>	Other _____ <input type="checkbox"/>		Special <input type="checkbox"/>

Submitters Code: _____ Federal Project: 5

Collector: Bellestar Shryver Telephone No.: 443-313-1761

Date Collected: 4/14/22 Time Collected: 9:01 a.m. _____ p.m.

Field pH: 6.7 Field Chlorine: 0.0

Nitric Acid Preserved: Yes No Iced: Yes No

Remarks: SAMPLE TAKEN FROM BATHROOM WALL TREATMENT (Sediment Filter)

TEST	EPA Code	Lab No.	Method No.	Results (pCi/L)	Date Analyzed	Analyst	Date Reported
<input checked="" type="checkbox"/> Gross Alpha	4000	1965	EPAG000	22	4/15/22	L.R.	4/15/22
<input checked="" type="checkbox"/> Gross Beta	4100	1962	EPAG000	24	4/15/22	L.R.	4/15/22
<input type="checkbox"/> Radium-226	4020						
<input type="checkbox"/> Radium-228	4030						
<input type="checkbox"/> Total Uranium	4006						
<input type="checkbox"/> Radon-222 (Bottle A)	4004						
<input type="checkbox"/> Radon-222 (Bottle B)	4004						
<input type="checkbox"/> Radon Field Blank A	4004						
<input type="checkbox"/> Radon Field Blank B	4004						
<input type="checkbox"/> Tritium							
<input type="checkbox"/> Gross Alpha	4000	1963 Dup	EPAG000	22	4/15/22	L.R.	4/15/22
<input type="checkbox"/> Gross Beta	4100	1963 Dup	EPAG000	24	4/15/22	L.R.	4/15/22

Date Received: _____ Received By: _____

Data Release Signature: _____ Date: 4/19/22

Lab Use Only	Yes	No	N/A
Sample Intact upon arrival?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample pH <2.0?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Received within holding time?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

• Tel. No.: (443) 681-3766 • Fax No.: (443) 681-4507

SAMPLE TESTED AT 3:30 PM 4/15/22