



Bureau of Environmental Health

7178 Columbia Gateway Drive, Columbia, MD 21046-2147

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

February 15, 2013

Goodier Baker Homes  
10751 Falls Road  
Lutherville, Maryland 21093

RE: Schooley Mill Farm Lot 1  
Hall Shop Road  
Well Tag: HO - 95 - 2436

To Whom it May Concern:

A sample was collected during a yield test on January 3, 2013 and submitted to the Department of Health & Mental Hygiene Laboratories to assess the possible presence of **Gross Alpha** and **Gross Beta** in the future 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 this screening revealed a **Gross Alpha** of  $< 2.0 \pm 0.0$  picocuries/liter (pCi/L), while the **Gross Beta** level was  $< 4.0 \pm 0.0$  pCi/L. The **Gross Alpha** result was below its **maximum contaminant level (MCL)** of **15 pCi/L**, while the **Gross Beta** level was below its targeted value of **50 pCi/L** (roughly equivalent to the **annual dose rate** of **4 millirems/year**).

At the time of testing and with respect to these parameters, the future well water supply meets EPA regulatory standards. Additional testing **for these parameters** will not be required to secure the future Use & Occupancy. **Please note** that other standard testing parameters (bacteria, nitrate, turbidity and sand) will still be required to help secure Use & Occupancy.

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.

Sincerely,

A handwritten signature in cursive script that reads 'Bert Nixon'.

Bert Nixon, Director

Bureau of Environmental Health

Enclosure

cc; Barry Glotfelty, MDE Water Mgmt.  
✓ Well & Septic property file

Send Report To: Bert Nixon

Howard Co. Env Health

7178 Columbia Gateway Dr.

Columbia, MD 21046

State of Maryland  
DHMH - Laboratories Administration  
Division of Environmental Chemistry  
**RADIATION LABORATORY**  
201 W. Preston Street, Baltimore, Maryland 21201  
John M. DeBoy, Dr. P. H., Director

E001391 5-72

**LABORATORY ANALYSIS REQUEST**

Sample Bottle No. A: 952436BB No. B: \_\_\_\_\_ Field Blank Bottle No. 1: 123 No B: \_\_\_\_\_

Plant/Site Name: Schooley Mill Farm - Lot 1 County: Howard

Sample Source: Hall Shop Rd. Location: HO-95-2436  
(well no, lab sink, sample tap, etc.)

County:  1  3 Plant No.

CHECK (one per box)

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

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

Source (raw water)	<input checked="" type="checkbox"/>
Distribution (treated)	<input type="checkbox"/>
MCL	<input type="checkbox"/>

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

Collector: B. Baker

Telephone No.: (410) 313-2643

Date Collected: 1/3/2013

Time Collected: 9:00 a.m. \_\_\_\_\_ p.m.

Nitric Acid Preserved: Yes  <sup>cont</sup> No

Iced: Yes  No

Submitters Code:

Federal Project:

Field Data: \_\_\_\_\_  
pH \_\_\_\_\_ Chlorine \_\_\_\_\_

Remarks: Sample Collected During Yield Test

✓	Test	EPA Code	Laboratory No.	Results (pCi/L)	Date Analyzed	Date Reported
✓	Gross Alpha	4000	1391	< 2.0	01/10/13	01/11/13
✓	Gross Beta	4100	1391	< 4.0	"	"
	Radon-222 Bottle A	4004				
	Radon-222 Bottle B	4004				
	Field Blank #A	4004				
	Field Blank #B	4004				
	Tritium					
	Ra - 226	4020				
	Ra - 228	4030				
	Total Uranium	4006				

Date Received: 01/07/13

Supervisor: [Signature]

• Tel. No.: (410) 767 - 5537 • Fax No.: (410) 333- 5373

