



Bureau of Environmental Health
7178 Columbia Gateway Drive, Columbia, MD 21046-2147
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

Peter L. Beilenson, M.D., M.P.H., Health Officer

March 30, 2008

Revellopment, Inc.
7017 Meandering Stream Way
Fulton, Maryland 20759

RE: Fulton Woods Lot 6
Colewood Court
Well Tag: HO - 95 - 1319

To Whom It May Concern:

A sample was collected from a yield test on November 8, 2007 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 14.0 ± 2.0 picocuries/liter (pCi/L); while the **Gross Beta** level was 10.0 ± 2.0 pCi/L. With the margin of error the Gross Alpha result exceeded 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**).

Since the **Gross Alpha** finding exceeded its **MCL**, additional testing for **Gross Alpha**, **Gross Beta** and **Radium** will be necessary prior to occupancy to verify existing levels. Alternatively, you may install treatment designed to reduce **Gross Alpha**, **Gross Beta** and **Radium**, plus provide post treated results (**for all 3 parameters**) confirming that levels are in conformance with existing standards. These tests are **in addition to** the standard parameters required for Use & Occupancy.

Additionally, if treatment is installed, the owners will be required to sign an "AGREEMENT FOR APPROVAL OF AN INDIVIDUAL DRINKING WELL WITH AN ON-SITE TREATMENT SYSTEM" as part of the Use and Occupancy process.

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 to discuss additional testing requirements.

Sincerely,

A handwritten signature in black ink that reads 'Bert Nixon'.

Bert Nixon, Director
Bureau of Environmental Health

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

Send Report To:

Bert Niden

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

ec:11/13/07 ec:11/13/07
LABORATORY ANALYSIS REQUEST

Sample Bottle No. A: 140-95-1319 No. B: _____ Field Blank Bottle No. A: _____ No. B: _____

Plant/Site Name: Fulton Woods - Lot 6 County: Howard

Sample Source: Cokewood Ct Location: 140-95-1319
(well no., lab sink, sample tap, etc.)

County: 1 3 Plant No.

CHECK (one per box)

Drinking Water <input checked="" type="checkbox"/>	Community <input type="checkbox"/>	Source (raw water) <input checked="" type="checkbox"/>	Emergency <input type="checkbox"/>
Landfill <input type="checkbox"/>	Non-community <input type="checkbox"/>	Distribution (treated) <input type="checkbox"/>	Routine <input checked="" 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 checked="" type="checkbox"/>		Special <input type="checkbox"/>

Collector: K. Wolf Telephone No: 410-313-2645

Date Collected: 11/18/07 Time Collected: _____ a.m. 12 p.m.

Nitric Acid Preserved: Yes No Iced: Yes No

Submitters Code: Federal Project: Field Data: _____

Remarks: Sample collected @ Yield test pH Chlorine

✓	Test	EPA Code	Laboratory No.	Results (pCi/L)	Date Reported
✓	Gross Alpha	4000	1086	14 ± 2	11/13/07
✓	Gross Beta	4100	1086	10 ± 2	11
	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: 11/18/07
Supervisor: S. Wise