

B 1 14935

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL

STATE PERMIT NUMBER

HO -95 -2366

fill in this form completely

Date Received (APA) 09-04-12

OWNER INFORMATION

Land Marketing Consultants PO BOX 482 LISBOW MD 21265

B 3

LOCATION OF WELL

Howard COUNTY WALNUT CREEK SUBDIVISION SECTION 44 LOT 53 CLARKSVILLE MD

DRILLER INFORMATION

RAUL E MAYNE MSD 17 Driller's Name License No. Raulh Mayne Well Drilling Firm Name 17024 Handy Rd Mt Airy MD 21221 Address Signature Date 4/14/12

B 4

SOURCES OF DRILLING WATER

- 1. well

ASHLEIGH M. STREET ADDRESS ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) DISTANCE FROM ROAD ENTER FT OR MI TAX MAP: 28 BLK: 11 PARCEL 49

B 2

WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) 5 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION (circled) FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) INDUSTRIAL, COMMERCIAL, DEWATERING PUBLIC WATER SUPPLY WELL TEST, OBSERVATION, MONITORING OPEN LOOP GEOTHERMAL CLOSED LOOP GEOTHERMAL

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard A520385 A520448 COUNTY NAME COUNTY NO. STATE SIGNATURE DATE ISSUED 9/10/12 CO SIGNATURE EXP. DATE 9/10/13

APPROXIMATE DEPTH OF WELL 150 FEET APPROXIMATE DIAMETER OF WELL 6 INCH NEAREST INCH

METHOD OF DRILLING (circle one)

- BORED (or Augered) AIR-ROTary (circled) CABLE JETTED AIR-PERCussion REVerse-ROTary JETTED & DRIVEN ROTARY (Hydraulic Rotary) DRive-POINT other

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

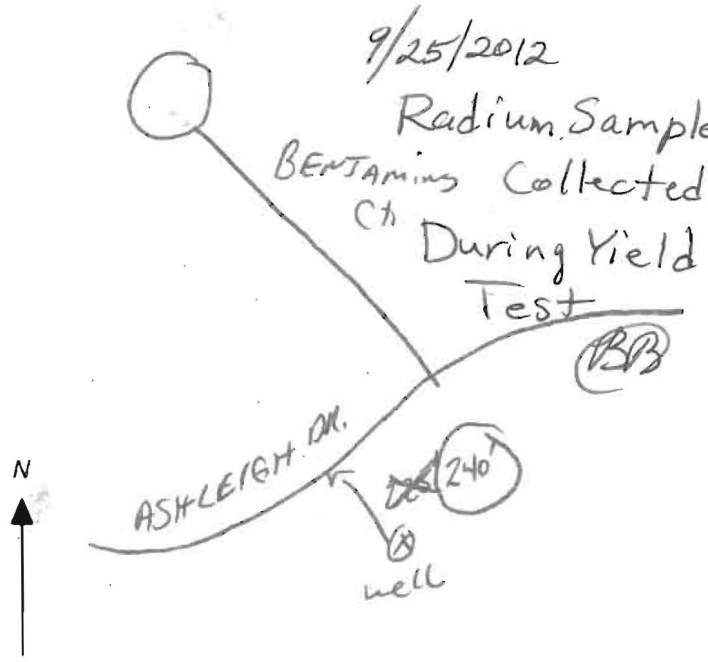
- THIS WELL WILL NOT REPLACE AN EXISTING WELL THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS THIS WELL WILL DEEPEAN AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)

Not to be filled in by driller (MDE OR COUNTY USE ONLY)

APPROP. PERMIT NUMBER HO 2006G030 PERMIT No. HO -95 -2366

PROPOSED LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURES SUCH AS BUILDINGS, SEPTIC SYSTEM, ROADS AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCE MEASUREMENTS TO WELL



SPECIAL CONDITIONS

NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

Radium Sample required at yield test/all wells must be at least 100' apart

C1 08172

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.

1 2 3 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

COUNTY NUMBER A 520 385 A 520 448

ST/CO USE ONLY

DATE WELL COMPLETED

Depth of Well

PERMIT NO.

DATE Received MM DD YY 09 28 12

MM DD YY 09 25 12

22 100 26 10/11/2012

FROM "PERMIT TO DRILL WELL" 140-95-2366

OWNER Land Marketing Consultants WELL SITE ADDRESS ASHLEIGH DR. TOWN CLARKSVILLE MD SUBDIVISION WALNUT CREEK SECTION LOT 53

WELL LOG

Not required for driven wells

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

Table with columns: DESCRIPTION (Use additional sheets if needed), FEET (FROM, TO), check if water bearing. Rows include Top Soil, CLAY, Sand Stone, White mica, Sand Stone, White mica.

GROUTING RECORD

WELL HAS BEEN GROUTED (Circle Appropriate Box) YES Y NO N TYPE OF GROUTING MATERIAL (Circle one) CEMENT CM BENTONITE CLAY BC NO. OF BAGS 20 NO. OF POUNDS 2000 GALLONS OF WATER 120 DEPTH OF GROUT SEAL (to nearest foot) from 0 TOP 53 ft. to 53 BOTTOM 58

CASING RECORD

MAIN CASING TYPE PL Nominal diameter top (main) casing (nearest inch) 6 Total depth of main casing (nearest foot) 55 OTHER CASING (if used) diameter inch 4 depth (feet) from 100 to 20

SCREEN RECORD

screen type or open hole insert appropriate code below SCREEN RECORD ST BR HO PL OT STEEL BRASS BRONZE PLASTIC OPEN HOLE OTHER

Table with columns: C 2 DEPTH (nearest ft.), A C H S R E N. Rows include 1 HO 53 100, 2 23 24 26 30 32 36, 3 38 39 41 45 47 51, SLOT SIZE 1 1/8 2 3, DIAMETER OF SCREEN 4" (NEAREST INCH)

C 3

PUMPING TEST

HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min.) 15 METHOD USED TO MEASURE PUMPING RATE Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 24 ft. WHEN PUMPING 26 ft. TYPE OF PUMP USED (for test) C centrifugal S submersible

PUMP INSTALLED

DRILLER INSTALLED PUMP YES NO DRILLER INSTALS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS. TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29 CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 35 PUMP HORSE POWER 37 41 PUMP COLUMN LENGTH (nearest ft.) 43 47 CASING HEIGHT (circle appropriate box and enter casing height) + above LAND SURFACE - below 2 (nearest foot)

LATITUDE 39.14.241 LONGITUDE 76.56.807 (DEFAULT COORD. WGS 84) NOTES:

NUMBER OF UNSUCCESSFUL WELLS: 0 WELL HYDROFRACTURED YES Y NO N CIRCLE APPROPRIATE LETTER A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED E ELECTRIC LOG OBTAINED P TEST WELL CONVERTED TO PRODUCTION WELL

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DRILLERS LIC. NO. M SD 117 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) LIC. NO. D

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q 70 72 74 75 76 TELESCOPE CASING LOG INDICATOR OTHER DATA



Send Report To: Bert Nixon

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

Howard Co. Env. Health

7178 Columbia Gateway Dr.

Columbia, MD 21046

E000642 025

**LABORATORY ANALYSIS REQUEST**

Sample Bottle No. A: 95236688 No. B: \_\_\_\_\_ Field Blank Bottle No. 1: FBKW92512 No B: \_\_\_\_\_

Plant/Site Name: Walnut Creek - Lot 53 County: Howard

Sample Source: Ashleigh Dr. Location: HO-95-2366  
(well no, lab sink, sample tap, etc.)

County:  B Plant No.

CHECK (one per box)

Drinking Water   
Landfill   
Stream   
Other

Community   
Non-community   
Private   
Other

Source (raw water)   
Distribution (treated)   
MCL

Emergency   
Routine   
Recheck   
Special

Collector: K. Wolf

Telephone No.: (410) 313-2645

Date Collected: 9/25/2012

Time Collected: 10:00 a.m. \_\_\_\_\_ p.m.

Nitric Acid Preserved: Yes  No

Iced: Yes  No

Submitters Code:

Federal Project:

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

Remarks: Sample Collected During Yield Test  
Sample analyzed in Lab 09/26/12

✓	Test	EPA Code	Laboratory No.	Results (pCi/L)	Date Analyzed	Date Reported
✓	Gross Alpha	4000	0642	< 2.0	09/27/12	09/28/12
✓	Gross Beta	4100	0642	< 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: 09/26/12

Supervisor: [Signature]

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

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

**LABORATORY ANALYSIS REQUEST**

*FB KW 92512*

Sample Bottle No. A: 952366PB No. B: \_\_\_\_\_ Field Blank Bottle No. 1: ~~\_\_\_\_\_~~ No B: \_\_\_\_\_

Plant/Site Name: Walnut Creek - Lot 53 County: Howard

Sample Source: Ashleigh Dr. Location: HO-95-2366  
(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: K. Wolf

Telephone No.: (410) 313-2645

Date Collected: 9/25/2012

Time Collected: 10:00 a.m. \_\_\_\_\_ p.m.

Nitric Acid Preserved: Yes  No

Iced: Yes  No

Submitters Code:

Federal Project:

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

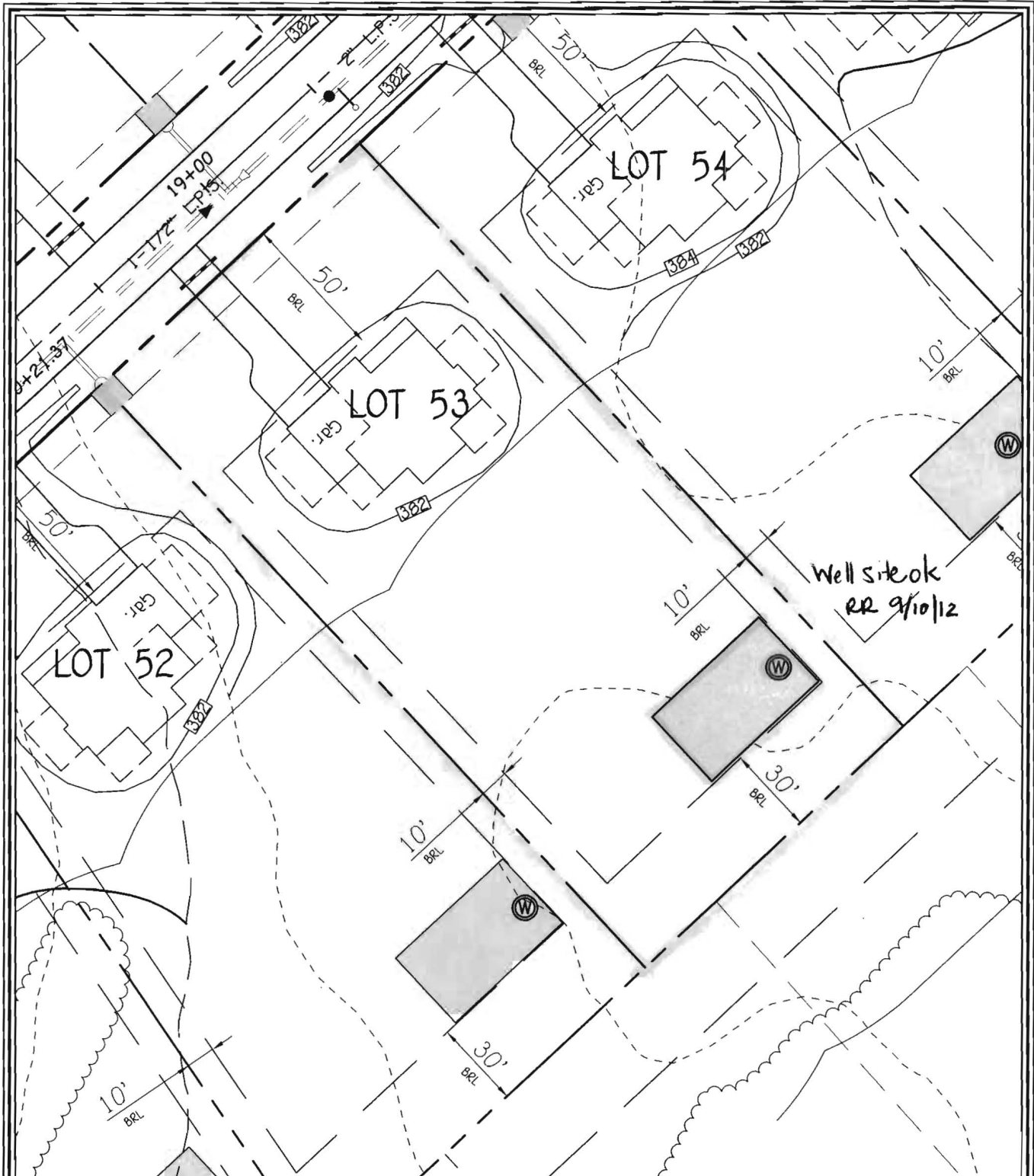
Remarks: Sample Collected During Yield Test

✓	Test	EPA Code	Laboratory No.	Results (pCi/L)	Date Analyzed	Date Reported
✓	Gross Alpha	4000				
✓	Gross Beta	4100				
	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: \_\_\_/\_\_\_/\_\_\_

Supervisor: \_\_\_\_\_

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

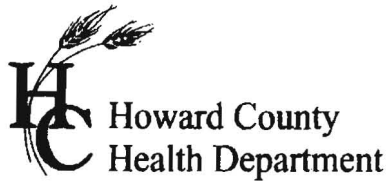


WELL LOCATION INFORMATION:  
 NORTHING = 572,022.18 EASTING = 1,327,422.56  
 LATITUDE = N39°14'14" LONGITUDE = W76°56'48"

**LOT 53 WELL MAP**  
**WALNUT CREEK**  
**PHASE TWO**

Lots 23 - 60, Non-Buildable Preservation Parcels  
 'C', 'G', 'T', 'K', 'L' And 'M', Buildable Bulk Parcels 'E' And 'H'  
 & Non-Buildable Parcel 'J'  
 ZONED: RC-DEO & RR-DEO  
 TAX MAP No. 28 GRID Nos. 4, 5, 10-12, 17, AND 18 PARCEL No. 49  
 FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
 DATE: AUGUST 30, 2012 SCALE: 1"=50'

**FISHER, COLLINS & CARTER, INC.**  
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
 CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE  
 ELIJAH CITY, MARYLAND 21042  
 (410) 461 - 2855



7178 Columbia Gateway Dr., Columbia, MD 21046  
(410) 313-2640 Fax (410) 313-2648  
TDD (410) 313-2323 Toll Free 1-866-313-6300  
website: www.hchealth.org

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

TO ALL INTERESTED PARTIES

When submitting a well application for a proposed well for new construction, please indicate one of the following:

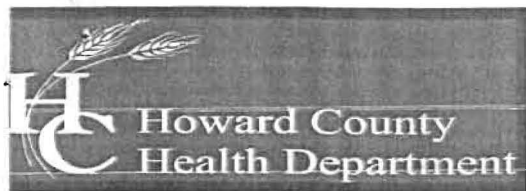
Well Site Location:

Walnut Creek	53	Ashleigh Drive
<u>Subdivision/Property Name</u>	<u>Lot #</u>	<u>Road Name</u>

- The well site has been staked by Fisher, Collins, and Carter, Inc.,  
(professional land surveyor or company employing professional land surveyors)  
on 04/22/12 (date) and does not require a site inspection.
- The well driller, builder or property owner will call the Health Department to schedule a time to meet in the field to verify the proposed well site location.

This sheet, along with two copies of an acceptable well site plan, must be attached to the green well permit application.

Revised 3/11/07



**Bureau of Environmental Health**

7178 Columbia Gateway Drive, Columbia, MD 21046-2147

Main: 410-313-2640 | Fax: 410-313-2648

TDD 410-313-2323 | Toll Free 1-866-313-6300

www.hchealth.org

Facebook: www.facebook.com/hocohealth

**Maura Rossman, M.D., Acting Health Officer**

December 21, 2012

**Bassler Venture  
Attn. Tim Feaga  
15950 North Avenue, P.O. Box 482  
Lisbon, Maryland 21765**

**RE: Walnut Creek Lot 53  
Ashleigh Drive  
Well Tag: HO - 95 - 2366**

Dear Mr. Feaga:

A sample was collected during a yield test on September 25, 2012 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. 201 W. Preston Street, Baltimore, Maryland 21201

Columbia MD 21046

State of Maryland  
DHMH - Laboratories Administration  
Division of Environmental Chemistry  
**RADIATION LABORATORY**  
John M. DeBoy, Dr. P. H., Director

LABORATORY ANALYSIS REQUEST

FBKW 92512

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Sample Source: Ashleigh Dr. Location: HO-95-2366  
(well no, lab sink, sample tap, etc.)

County:   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: K. Wolf

Telephone No.: (410) 313-2645

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Federal Project:

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pH \_\_\_\_\_ Chlorine \_\_\_\_\_

Remarks: Sample Collected During Yield Test

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