

C1 08115

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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

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

COUNTY AS20385 NUMBER A 520 448

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

OWNER Land Marketing Consultants last name first name WELL SITE ADDRESS ASHLEY CREEK DRIVE TOWN CLACKESVILLE MD SUBDIVISION WALNUT CREEK SECTION PHASE 2 LOT 24

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, mica, Sand Stone, 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 8 NO. OF POUNDS 200 GALLONS OF WATER 48 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 24 ft.

CASING RECORD

MAIN CASING TYPE PL Nominal diameter top (main) casing (nearest inch) 6 Total depth of main casing (nearest foot) 30

OTHER CASING (if used)

Table for other casing with columns for diameter and depth.

SCREEN RECORD

screen type or open hole insert appropriate code below ST BR HO PL OT

DEPTH (nearest ft.) 140 28 200

SCREEN RECORD table with columns A, C, H, S, R, E, N and rows for slot size and diameter of screen.

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

TELESCOPE CASING LOG INDICATOR OTHER DATA

C 3

PUMPING TEST

HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min.) 10 METHOD USED TO MEASURE PUMPING RATE bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 23 ft. WHEN PUMPING 25 ft. TYPE OF PUMP USED (for test) A air P piston T turbine C centrifugal R rotary O other J jet S submersible

PUMP INSTALLED

DRILLER INSTALLED PUMP (CIRCLE) YES NO IF DRILLER INSTALLS 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) LAND SURFACE 2 (nearest foot)

LATITUDE 39.14.332 LONGITUDE 77.56.608 (DEFAULT COORD. WGS 84) NOTES:

DRILLERS LIC. NO. M SD 112 DRILLERS SIGNATURE LIC. NO. D

SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

B 1 14908

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL

STATE PERMIT NUMBER

HO-95-2307

fill in this form completely

537317 please type

Date Received (APA)

05 31 12

OWNER INFORMATION

Land Marketing Consultants PO Box 482 Lisbon MD 21765

B 3

LOCATION OF WELL

Howard COUNTY WALNUT CREEK SUBDIVISION CLARKSVILLE NEAREST TOWN

DRILLER INFORMATION

Ralph E. Mayne M S D 117 RALPH E. MAYNE well Drilling 17024 Haroy Road Mt Airy MD 21771

B 4

SOURCES OF DRILLING WATER

1. well

ASHLEIGH DRIVE STREET ADDRESS

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



DISTANCE FROM ROAD ENTER FT OR MI

TAX MAP: 28 BLK: 11 PARCEL 49

WELL INFORMATION

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

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard 13 COUNTY NAME COUNTY NO. STATE SIGNATURE INSERT S DATE ISSUED 6/13/2012 Brian Baker 6/13/2013

USE FOR WATER (CIRCLE APPROPRIATE BOX)

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

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

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

METHOD OF DRILLING (circle one)

BORED (or Augered) JETTED Jetted & DRIVEN AIR-ROTary AIR-PERcussion ROTARY (Hydraulic Rotary) CABLE REVerse-ROTary DRive-POINT

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 DEEPEM AN EXISTING WELL

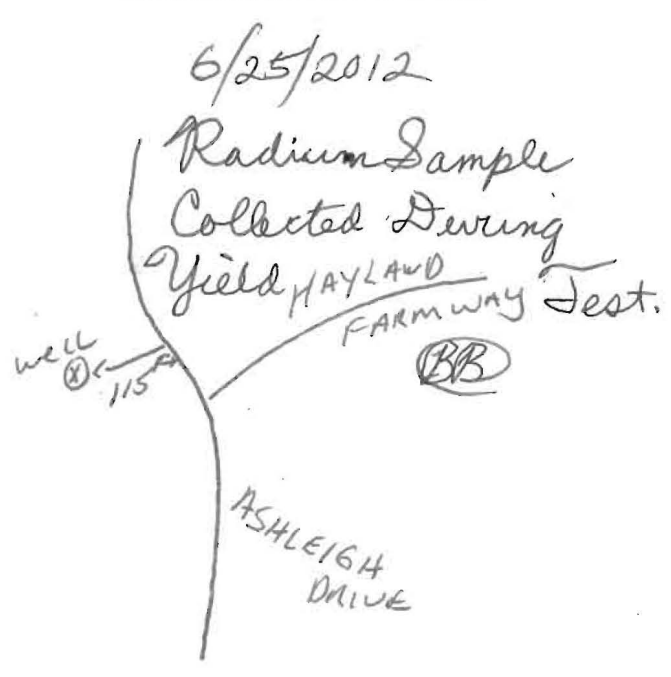
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)

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

APPROP. PERMIT NUMBER PERMIT No. HO-95-2307

SPECIAL CONDITIONS

NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET. Radium Sample Needed, All wells must be 100+ feet apart







WELL LOCATION INFORMATION:

NORTHING = 572591  
 EASTING = 1328357  
 LATITUDE = 39°14'20"  
 LONGITUDE = 76°56'36"



6/13/2012  
*Will Site*  
**LOT 24 WELL MAP**  
**WALNUT CREEK** *Plan*  
**PHASE TWO**  
**LOTS 1 THRU 22,**  
**NON-BUILDABLE PRESERVATION PARCELS 'A'-'D'**  
**& BUILDABLE BULK PARCELS 'E' & 'F'**  
*BB*

**FISHER, COLLINS & CARTER, INC.**

CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
 TAX MAP No. 28 GRID Nos. 4, 5, 10-12, 17, AND 18  
 PARCEL No. 49  
 FIFTH ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND  
 DATE: MAY 25, 2012 SCALE: 1"=50'

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: MAY 25, 2012 SCALE: 1"=50'

**HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
WATER AND SEWERAGE PROGRAM  
TEL: (410)313-2640 FAX: (410)313-2648**



**FAXED**  
2-25-14

**Information Form for the Installation of the Well Pump, Pitless Adapter, and Supply Piping**

**NOTE: The installer is responsible for requesting an inspection prior to 9 am on the day of the desired inspection. No work is to be covered until approved by the Health Department. All installations must comply with the National Standard Plumbing Code (NSPC, as amended locally) and COMAR 26.04.04 (MD Well Construction Regulations). Submission of a complete form is required prior to Use and Occupancy approval.**

Company Name: NATIONAL WATER SVC Telephone #: 301-854-1333  
Address: P.O. BOX 138  
ASHTON MD 20864

(Must circle one) Licensed Plumber      Licensed Well Driller      Licensed Well Pump Installer

License # and name of individual responsible for the field installation:  
Name (Print): DAVID RYCKE License# PE 0145

\*A licensed individual must perform the actual installation. Apprentices must be under the direct supervision of a licensed journeyman or master plumber, pump installer or well driller. Licenses may be subjected to field verification.

Name of Property Owner: WINCHESTER Telephone #: \_\_\_\_\_  
Subdivision: WALNUT CREEK Lot #: 84 Well Tag #: HO-95-2307  
Site Address: 12114 HAYLAND FARM WAY  
ELICOTT

<b><u>Submersible Pump Data</u></b>	<b><u>Pitless Adapter</u></b>	<b><u>Well Cap and Electric Conduit</u></b>
Make: <u>GRUNDFOS</u>	Make: <u>Campbell</u>	Two piece watertight cap: <input checked="" type="checkbox"/>
Model #: <u>SPF 07-180</u>	Model#: <u>PA 800</u>	Screened, vented well cap: <input checked="" type="checkbox"/>
Pump Capacity <u>15</u> GPM	Depth: <u>48"</u> (36" min)	Cap secured to casing: <input checked="" type="checkbox"/>
Well Yield: <u>10</u> GPM	NSF approved: <u>YES</u>	Conduit min 18" B.G.: <input checked="" type="checkbox"/>
Depth of well encountered at time of pump installation: <u>205</u> (feet)		Conduit secured to well cap: <input checked="" type="checkbox"/>
If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4		
Torque arrestors or Cable guards are required - Must circle one <u>CAS</u>		
Safety rope, if used, attached to inside of well casing with eye bolt <u>N/A</u>		

<b><u>Piping to house</u></b>	<b><u>House Connection</u></b>
Type: <u>POLY</u>	PVC sleeved to undisturbed soil at wall penetration: <input checked="" type="checkbox"/>
PSI: <u>160</u> (160 psi min)	Approximate length of sleeve: <input checked="" type="checkbox"/>
Depth of supply line: <u>4'</u> (36" min)	Sleeve caulked and sealed properly: <input checked="" type="checkbox"/>

The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.

Signature of company representative responsible for installation: \_\_\_\_\_ date: 2-24-14

**For Health Department Use Only - Not to be completed by Installer**

Date Insp. Requested: \_\_\_\_\_ Date Insp. Approved: 11/19/2013, BB

Inspection Data: Pitless adapter and water supply line at least 36" below grade	<input checked="" type="checkbox"/>
Two piece cap installed and attached to casing securely	<input checked="" type="checkbox"/>
Elec. conduit extends at least 18" below grade/attached to cap properly	<input checked="" type="checkbox"/>
Safety rope installed inside of well casing	<input checked="" type="checkbox"/>
Correct well tag attached properly and casing 8" above finished grade	<input checked="" type="checkbox"/>
Water supply line sleeved adequately at house connection	<u>under footer</u>
Adequate grout observed below pitless adapter	<input checked="" type="checkbox"/>



**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](http://www.hchealth.org)

Facebook: [www.facebook.com/hocohealth](https://www.facebook.com/hocohealth)

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

October 2, 2012

**Heritage Realty & Land Management**  
**Attn. Tim Feaga**  
**15950 North Avenue, P.O. Box 482**  
**Lisbon, Maryland 21765**

**RE: Walnut Creek Lot 24**  
**Ashleigh Drive**  
**Well Tag: HO - 95 - 2307**

Dear Mr. Feaga:

A sample was collected during a yield test on June 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  $4.3 \pm 2.0$  picocuries/liter (pCi/L), while the **Gross Beta** level was  $6.0 \pm 2.1$  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,

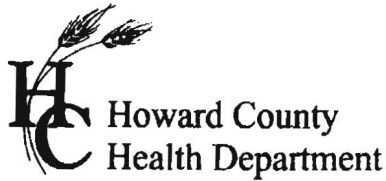
A handwritten signature in cursive script that reads 'Bert Nixon'.

Bert Nixon, Director

Bureau of Environmental Health

Enclosure

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



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

**Peter L. Bielson, 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:

<u>Walnut Creek</u>	<u>24</u>	<u>Ashleigh Drive</u>
<b>Subdivision/Property Name</b>	<b>Lot #</b>	<b>Road Name</b>

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**

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

E003044 # 26

**LABORATORY ANALYSIS REQUEST**

Sample Bottle No. A: 952307BB No. B: \_\_\_\_\_ Field Blank Bottle No. 1: 2307A No B: \_\_\_\_\_

Plant/Site Name: Walnut Creek - Lot 24 County: Howard

Sample Source: Ashleigh Drive Location: HO-95-2307  
(well no, lab sink, sample tap, etc.)

County:  1  3 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: B. Baker

Telephone No.: (410) 313-2643

Date Collected: 6/25/2012  
comb

Time Collected: 12:00 a.m. 12:00 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	3044	4.3 ± 2.0	06/27/12	06/28/12
✓	Gross Beta	4100	3044	6.0 ± 2.1	"	"
	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: 06/26/12

Supervisor: [Signature]

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

# FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.

1413 Old Taneytown Rd. Westminster, MD (410) 848-1014 (410) 876-4554 FAX (410) 848-0298

## REPORT OF ANALYSIS

Laboratory ID #: 92965 Account #: 3123  
Reference: Walnut Creek Lot 24 ✓ Combanv: National Water Servicing  
Location: 12114 Hayland Farm Way Requested By: Dave Rycke  
Ellicott City, MD 21042 Source: Well Water  
Date/ Time Collected: 2/7/2014 1114 Site: Pressure Tank ✓  
Date/Time Rec'd: 2/7/2014 1345 Treatment: Prior (to Sediment) Filter ?  
Chlorine ppm: Free: ND Total: ND pH: 6.7  
Collected By: J. Yeager 6176JY Well #: HO-95-2307

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	<1.0 ✓	MPN/ 100 ml	<1.0	SM18 9223	2/8/2014 / 1000 / CCH
Bacteria, E. coli, MPN	<1.0 ✓	MPN/ 100 ml	<1.0	SM18 9223	2/8/2014 / 1000 / CCH
Nitrate	2.09 ✓	mg/L	10	601	2/7/2014 / 1600 / CCH
Turbidity	0.43 ✓	NTU	<10	SM18 2130B	2/7/2014 / 1500 / JKW
Sand	NS ✓	mg/L	5	Visual/Gravimetric	2/7/2014 / 1500 / JKW

3/5/14  
OIS  
Xmas

### NOTES

- 1 mg/L = milligrams per liter (also, parts per million)
- 2 MPN/ 100 ml = Most Probable Number [of viable bacteria] per 100 ml of sample.
- 3 NS = None Seen (NS indicates less than 5 mg/L)
- 4 NTU = Nephelometric Turbidity Units
- 5 Results less than or within the reference range are considered satisfactory and within potable water limits at the time of sampling.
- 6 ND:None Detected
- 7 Visual well check: Sealed, vented cap
- 8 pH & Chlorine level tested on site

Reason for Test : Use & Occupancy  
Building Permit # : 13003420

Date Reported: 2/10/2014

**Martin, Sharhonda**

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**From:** Tuder, Matt  
**Sent:** Wednesday, March 05, 2014 9:47 AM  
**To:** Betters, Stephanie, Geisert, Andrew  
**Cc:** Hart, Amy; Bozzell, Duane; Williams, Jeffrey; Pickett, Tom; Rocco, Anthony; Wolf, Kevin; Baker, Brian; Martin, Sharhonda  
**Subject:** U&O Release 12114 Hayland Farm Way

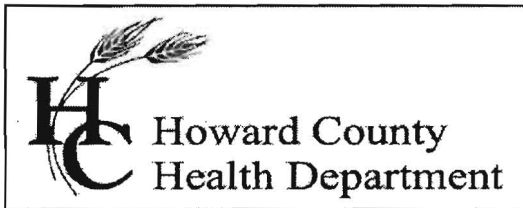
On Friday February 28, 2014 , Tom Pickett observed the start-up of a Sewage Grinder Pump at the Walnut Creek Shared Septic System:

Walnut Creek, Contract 50-4530-D  
Camberley Homes, Lot 24  
12114 Hayland Farm Way  
Ellicott City, MD 21042

The Sewage Grinder Pump test was successful; the Bureau of Utilities releases its hold on this property for U&O.

Matt  
410-313-4934 office  
410-978-1320 mobile





**Bureau of Environmental Health**  
7178 Columbia Gateway Drive, Columbia, MD 21046-2147  
Main: 410-313-6300 | Fax: 410-313-6303  
TDD 410-313-2323 | Toll Free 1-866-313-6300  
[www.hchealth.org](http://www.hchealth.org)  
Facebook: [www.facebook.com/hocohealth](http://www.facebook.com/hocohealth)  
Twitter: HowardCoHealthDep

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

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**INTERIM CERTIFICATE OF POTABILITY**

**Expiration Date – September 5, 2014**

March 5, 2014

Homeowner  
12114 Hayland Farm Way  
Ellicott City, MD 21042

**RE: Walnut Creek Lot 24  
12114 Hayland Farm Way  
Building Permit: B13003420  
Well Permit: HO-95-2307**

Dear Homeowner:

This is to advise you that the septic system installation and water well construction for the above referenced property have been inspected and approved. Final approval of the septic system was granted on **3/5/2014**. Final approval of the well line connection to the dwelling was granted on **11/19/2013**. The well construction was completed on **6/21/2012**. Water samples were collected on **2/7/2014**.

The water sample results indicate that the water samples submitted for testing were free of coliform and fecal coliform bacteria at the time of sampling and are bacteriologically safe for drinking.

Gross Alpha and Beta samples were also collected on **6/25/2012**. Results showed a Gross Alpha level of **4.3 ± 2.0 pCi/L** and **Gross Beta** level of **6.0 ± 2.1 pCi/L**. The Gross Alpha was below the maximum contaminant level (MCL) of 15 pCi/L and the Gross Beta was below the target level of 50pCi/L (roughly equivalent to the annual dose rate of 4 millirems per year). At the time of testing and with respect to these parameters, the well water is safe for all uses.

This certifies that the initial sampling requirements of COMAR 26.04.04 "Well Regulations" have been met for the water supply system installed under well permit HO-95-2307. Although the submitted sample results are in compliance with COMAR standards, the Health Department does not guarantee water supplies.

This Interim Certificate of Potability will expire **six months** from the date of issuance. Submission of a second bacteriological test indicating the water is free of coliform and fecal coliform bacteria is required prior to the expiration date, after which time a Final Certificate of Potability will be issued. **Failure to submit an additional sample and obtain a Final Certificate of Potability will result in a Notice of Violation and is punishable as a misdemeanor under the Annotated Code of Maryland, Environment Article, 9-1311, subject to a fine of up to \$500 or imprisonment not to exceed three months.**

Please contact (410) 313-1773 to schedule a final water sample appointment or contact a certified water quality laboratory to schedule a water sample. A list of laboratories certified by the state of Maryland may be found at the following website:

<http://www.mde.state.md.us/assets/document/WSP-Labs-2010apr16.pdf>

Approving Authority,



Jeff Williams  
Environmental Sanitarian  
Well & Septic Program

cc: Howard County Dept. of Inspections, Licenses, and Permits  
Community Hygiene Program  
File