



B 1 0504

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL 525642 please type

STATE PERMIT NUMBER HO-95-0603 fill in this form completely

OWNER INFORMATION Landmarking Consultants 3060 Rt. 97 Glenwood MD 21771

LOCATION OF WELL Howard WALNUT GROVE CLARKESVILLE 2 MILES FROM TOWN

DRILLER INFORMATION Ralph E. Mayne M S D 117 Ralph E. Mayne INC 17024 Hardy Rd. Mt. Airy MD 21771

Holly Creek CA 200 FT FROM ROAD TAX MAP: 28 BLK: 18 PARCEL 74

WELL INFORMATION APPROX. PUMPING RATE 5 GAL. PER MIN. AVERAGE DAILY QUANTITY NEEDED 500 GAL. PER DAY

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL Howard (13) A517422 COUNTY NAME STATE SIGNATURE DATE ISSUED 12/19/2006 CO SIGNATURE Brian Baber 12/19/2007

USE FOR WATER (CIRCLE APPROPRIATE BOX) DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION

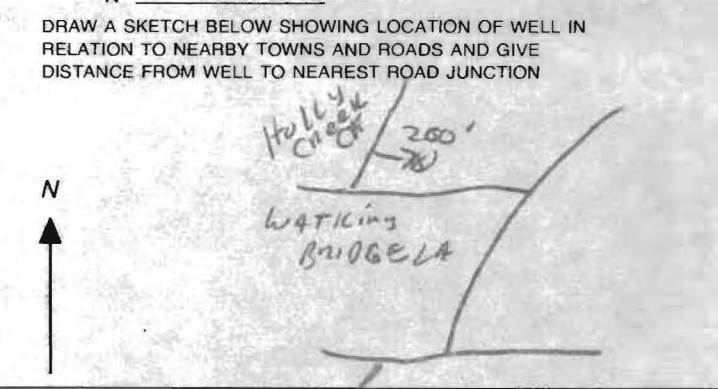
APPROXIMATE DEPTH OF WELL 150 FEET APPROXIMATE DIAMETER OF WELL 6 INCH

METHOD OF DRILLING (circle one) BORED (or Augered) AIR-ROTary

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX) THIS WELL WILL NOT REPLACE AN EXISTING WELL

Not to be filled in by driller (MDE OR COUNTY USE ONLY) APPROP. PERMIT NUMBER HO2005G006 PERMIT No. HO-95-0603

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER 1. well WRITE THE BOX NUMBER FROM THE MAP HERE E 816 N 508



SPECIAL CONDITIONS Health Dept. Must Collect Water Sample During Yield Test



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

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: Michael Runk Plumbing Telephone #: 410-781-6791  
Address: P.O. Box 1453  
Sykesville, MD 21784

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

License # and name of individual responsible for the field installation:

Name (Print): Michael Runk License# 9699

\*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: Pam Joe Telephone #: 301-370-1306  
Subdivision: Walnut Grove Lot #: 58 Well Tag #: HO-95-0603  
Site Address: 5102 Holley Creek Lane  
Clarksville, MD 21029

Submersible Pump Data

Make: Goulds  
Model #: 10LS07422C  
Pump Capacity: 10 GPM  
Well Yield: 15 GPM

Pitless Adapter

Make: Am. Granby  
Model #: PT 900  
Depth: 42" (36" min)  
NSF approved:

Well Cap and Electric Conduit

Two piece watertight cap:   
Screened, vented well cap:   
Cap secured to casing:   
Conduit min 1 1/2" B.G.:   
Conduit secured to well cap:

Depth of well encountered at time of pump installation: \_\_\_\_\_ (feet)  
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  
Safety rope, if used, attached to inside of well casing with eye bolt

Piping to house

Type: Poly  
PSI: 200 (160 psi min)  
Depth of supply line: 42" (36" min)

House Connection

PVC sleeved to undisturbed soil at wall penetration:   
Approximate length of sleeve: 10ft  
Sleeve caulked and sealed properly:

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]  
Signature of Company representative responsible for installation

1/18/11  
date

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

Date Insp. Requested: \_\_\_\_\_ Date Insp. Approved: 1/31/2011 [Signature]

- Inspection Data: Pitless adapter and water supply line at least 36" below grade
- Two piece cap installed and attached to casing securely
- Elec. conduit extends at least 18" below grade attached to cap properly
- Safety rope installed inside of well casing
- Correct well tag attached properly and casing 3" above finished grade
- Water supply line sleeved adequately at house connection
- Adequate grout observed below pitless adapter

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Name of Property Owner: Pam Joe Telephone #: 301-370-1306  
Subdivision: Walnut Grove Lot #: 58 Well Tag #: HO-95-0603  
Site Address: 5102 Holley Creek Lane  
Clarksville, MD 21029

Submersible Pump Data

Make: Grundfos  
Model # 10L507472C  
Pump Capacity 10 GPM  
Well Yield: 15 GPM

Pitless Adapter

Make: AM Granby  
Model#: PT 300  
Depth: 42" (36" min)  
NSF approved:

Well Cap and Electric Conduit

Two piece watertight cap:   
Screened, vented well cap:   
Cap secured to casing:   
Conduit min 18" B.G.:   
Conduit secured to well cap:

Depth of well encountered at time of pump installation: \_\_\_\_\_ (feet)

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

Safety rope, if used, attached to inside of well casing with eye bolt

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Michael Runk  
Signature of Company representative responsible for installation

1/18/11  
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Safety rope installed inside of well casing \_\_\_\_\_  
Correct well tag attached properly and casing 3" above finished grade \_\_\_\_\_  
Water supply line sleeved adequately at house connection \_\_\_\_\_  
Adequate grout observed below pitless adapter \_\_\_\_\_

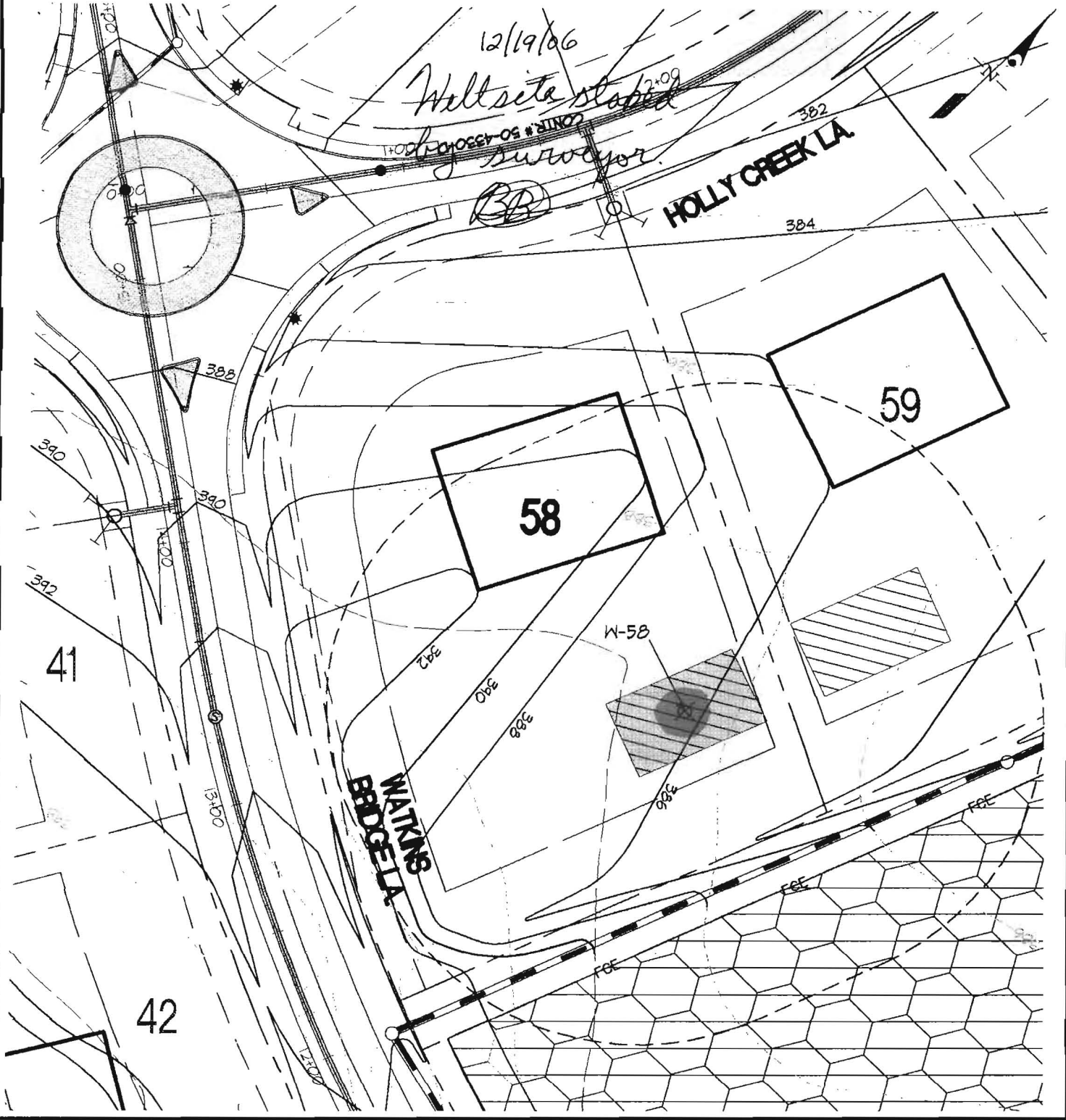
12/19/06

Well site staked 12-09

Project of 12/19/06  
by *surveyor*

(BB)

HOLLY CREEK LA.  
382  
384

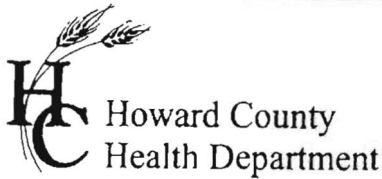


<b>LEGEND</b>	PROPOSED LPSS	HOUSE BOX	WELL BOX	WELL SURVEY POINT
	PROPOSED STORM DRAIN			

**WELL LOCATION EXHIBIT - LOT 58**

**WALNUT GROVE**  
 Lots 1 thru 88, Buildable Preservation Parcel "A",  
 Non-Buildable Preservation Parcels "B" Thru "I" And  
 and Non-Buildable Bulk Parcel "J"

**GLW GUTSCHICK LITTLE & WEBER, P.A.**  
 CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS  
 3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK  
 BURTONSVILLE, MARYLAND 20866  
 TEL: 301-421-4024 BALT: 410-880-1820 DC/VA: 301-989-2524 FAX: 301-421-4186



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

Penny E. Borenstein, 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:

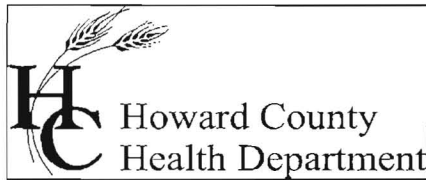
Well Site Location:

<u>Walnut Grove</u>	<u>58</u>	<u>Holy Creek Lane</u>
Subdivision/Property Name	Lot #	Road Name

- Staking to take place after initial review (as discussed with Bob Weber).
- The well site has been staked by \_\_\_\_\_ ,  
 (professional land surveyor or company employing professional land surveyors)  
 on \_\_\_\_\_ (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 3/11/05



Bureau of Environmental Health  
7178 Columbia Gateway Drive Columbia, Maryland 21046-2132  
(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. Beilenson, M.D., M.P.H., Health Officer

February 1, 2011

Homeowner  
5102 Holly Creek Lane  
Clarksville, MD 21029

RE: Walnut Grove, Lot 58  
5102 Holly Creek Lane  
Clarksville, MD 21029  
BP# B10001641  
Well Tag #: HO-95-0603

Dear Sir:

This is to advise you that the septic system for the above referenced property has been installed and inspected. **Final approval of the septic system was granted on 1/19/2011 Final approval of the well line connection to the dwelling was approved on 01/31/2011.**

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. The water sample results were found to be in compliance with COMAR water quality standards.

Gross Alpha and Beta samples were also collected on 02/26/2007. Both findings were below the maximum limit suggested by the EPA. At the time of the testing and with respect to these parameters, the future well water supply appears safe for all uses. No addition testing **for these parameters** will be required to secure the future Use and Occupancy.

#### **INTERIM CERTIFICATE OF POTABILITY**

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-95-0306. Although the submitted sample results are in compliance with COMAR standards, the Health Department does not guarantee water supplies. Based upon satisfactory investigation and evaluation, the Howard County Health Department as authorized by the Maryland Department of the Environment accepts this well system as required by COMAR 26.04.04.

This certificate may become final upon completion of the second bacteriological test, which is to be taken by the county health department within six months of receipt of this letter. **Please contact (410) 313-1773 to schedule a final water sample appointment. Currently, there is no charge for this final sampling.**

Date of Water Samples: 1/25/2011

Date of Samples for Gross Alpha & Gross Beta: 2/26/2007

Date of Well Completion: 02/26/2007

Approving Authority,

A handwritten signature in cursive script that reads "Brian Baker".

Brian Baker R.S.  
Environmental Sanitarian  
Well & Septic Program

cc: Building Inspector's Office  
Community Health Services  
File

# FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.

143 Old Tanytown Rd., Westminster, MD 21157 (410) 848-1004 (410) 876-1557 FAX (410) 848-0298

## REPORT OF ANALYSIS

Laboratory ID #:	78289	Account #:	6575
Reference:	Walnut Grove Lot 58	Company:	Marcus Paul Bldg & Development
Location:	5102 Holly Creek Lane Clarksville, MD 21029	Requested By:	Scott Hare
Date/ Time Collected:	1/25/2010 1250	Source:	Well Water
Date/Time Rec'd:	1/25/2010 1354	Site:	Downstairs Bathroom Tap
Chlorine ppm:	Free: ND Total: ND	Treatment:	None
Collected By:	J. Yeager 6176JY	pH:	7.0
		Well #:	HO-95-0603

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	<1.0	MPN/ 100 ml	<1.0	SM18 9223	1/26/2011 / 0815 / KME
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM18 9223	1/26/2011 / 0815 / KME
Nitrate	9.03	mg/L	10	601	1/26/2011 / 1150 / CCH
Turbidity	0.66	NTU	<10	SM18 2130B	1/26/2011 / 1000 / KME
Sand	NS	mg/L	5	Visual/Gravimetric	1/26/2011 / 0950 / KME

### 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 and Chlorine level tested on site

Reason for Test : Use & Occupancy  
 Building Permit # : B10001641

Date Reported: 1/26/2011

# 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 #: 78289 Account #: 6575  
Reference: Walnut Grove Lot 58 Company: Marcus Paul Bldg & Development  
Location: 5102 Holly Creek Lane Requested By: Scott Hare  
Clarksville, MD 21029 Source: Well Water  
Date/ Time Collected: 1/25/2010 1250 Site: Downstairs Bathroom Tap  
Date/Time Rec'd: 1/25/2010 1354 Treatment: None  
Chlorine ppm: Free: ND Total: ND pH: 7.0  
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Nitrate	9.03	mg/L	10	601	1/26/2011 / 1150 / CCH
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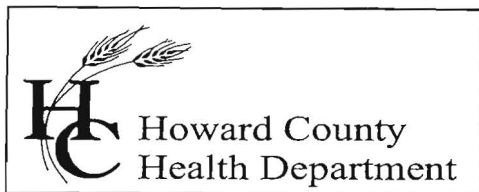
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- 8 pH and Chlorine level tested on site

**Reason for Test :** Use & Occupancy

**Building Permit # :** B10001641

Date Reported: 1/26/2011



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website: www.hchealth.org

Penny E. Borenstein, M.D., M.P.H., Health Officer

March 7, 2007

Walnut Grove, LLC  
10705 Charter Dr.  
Suite 320  
Columbia, Maryland 21044

*Wally Creek La*  
RE: Walnut Grove, Lot #58  
Well Tag: HO-95-0603

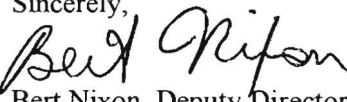
To Whom It May Concern:

A sample was collected from a yield test on February 26, 2007 and submitted to GPL 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. In turn, this can provide information regarding naturally occurring radiation (i.e., Radionuclides) that may exist in your area of development within the County.

Results from this screening revealed a **Gross Alpha** of  $2.7 \pm 1.0$  picocuries/liter (pCi/L); while the **Gross Beta** level was  $3.4 \pm 0.9$  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 target 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 appears safe for all uses. No additional testing for **these parameters** will be required to secure the future Use & Occupancy. However, other standard (potability) testing will still 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 questions.

Sincerely,  
  
Bert Nixon, Deputy Director  
Bureau of Environmental Health

cc: Eric Dougherty, MDE Water Mgmt., Groundwater  
✓ Well & Septic File

Send Report To:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

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**

Sample Bottle No. A: HW 59W-0603 No. B: \_\_\_\_\_ Field Blank Bottle No. A: \_\_\_\_\_ No. B: \_\_\_\_\_

Plant/Site Name: W. West Lane Lot 58 County: Howard

Sample Source: Hardy Creek L.L. Location: HO-95-0603  
 (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: R. W. Hoff Telephone No: 410-313-2645

Date Collected: 2/26/07 Time Collected: 11:15 a.m. \_\_\_\_\_ p.m.

Nitric Acid Preserved: Yes  No  Iced: Yes  No

Submitters Code:   Federal Project:  Field Data: \_\_\_\_\_  
 pH \_\_\_\_\_ Chlorine \_\_\_\_\_

Remarks: 5 alpha T-bar, during field test

✓	Test	EPA Code	Laboratory No.	Results (pCi/L)	Date Reported
✓	Gross Alpha	4000	<u>752126 001</u>	<u>27210</u>	<u>3/2/07</u>
✓	Gross Beta	4100		<u>345.09</u>	
	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: \_\_\_\_\_