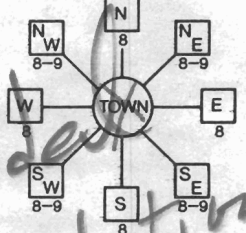
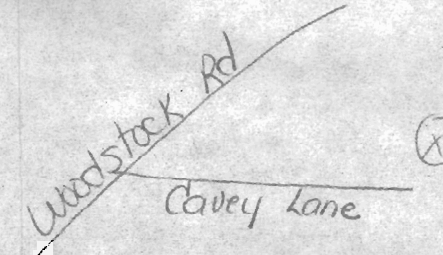


B 1 1 2 3 6 <b>3906</b>	SEQUENCE NO. (MDE USE ONLY)  	STATE OF MARYLAND <b>APPLICATION FOR PERMIT TO DRILL WELL</b> 525222 please type	STATE PERMIT NUMBER HD-95-6506 70 fill in this form completely 79
Date Received (APA) 8 MM DD YY 13 Elm Street Development 15 Last Name Owner First Name 34 5094 Dorsey Hall Drive Suite 104 36 Street or RFD 55 Ellicott City MD 21042 57 Town 70 State 72 Zip 76		B 3 LOCATION OF WELL Howard 8 COUNTY 21 Saddlebrook Farm 23 SUBDIVISION 42 SECTION 44 46 LOT 3 48 50 Woodstock 52 NEAREST TOWN 71 MILES FROM TOWN (enter 0 if in town) 0 M 1 73 76 77 78	
OWNER INFORMATION DRILLER INFORMATION Michael D. Ison MS D 162 Driller's Name 76 License No. 81 G. Edgar Harr Sons' Corp. Firm Name 12047 Falls Road, Cockeysville 21030 Address Signature Date		B 4 1 2 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)  11 NEAR WHAT ROAD 30 Cavey Lane ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH WEST 32 EAST SOUTH 34 200 37 DISTANCE FROM ROAD ft ENTER FT OR MI 38 39 TAX MAP: 11 BLK: 13 PARCEL 32	
B 2 WELL INFORMATION APPROX. PUMPING RATE 5 (GAL. PER MIN.) 8 12 AVERAGE DAILY QUANTITY NEEDED 750 (GAL. PER DAY) 14 20		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL Howard 4516 525 COUNTY NAME COUNTY NO. STATE SIGNATURE INSERT S 41 DATE ISSUED 8/14/07 43 MM DD YY 48 CO SIGNATURE EXP. DATE NORTH GRID 544 000 EAST GRID 837 000 50 55 57 63	
USE FOR WATER (CIRCLE APPROPRIATE BOX) <input checked="" type="radio"/> DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION <input type="radio"/> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) <input type="radio"/> INDUSTRIAL COMMERCIAL, DEWATERING <input type="radio"/> PUBLIC WATER SUPPLY WELL <input type="radio"/> TEST OBSERVATION, MONITORING <input type="radio"/> GEO-THERMAL		APPROXIMATE DEPTH OF WELL 250 24 28 FEET APPROXIMATE DIAMETER OF WELL 6 NEAREST INCH METHOD OF DRILLING (circle one) BORED (or Augered) JETTED Jetted & DRIVEN 30 AIR-ROTary AIR-PERCussion ROTARY (Hydraulic Rotary) 37 CABLE REVERSE-ROTary DRIVE-POINT other	
REPLACEMENT OR DEEPEINED WELLS (CIRCLE APPROPRIATE BOX) <input type="radio"/> THIS WELL WILL NOT REPLACE AN EXISTING WELL <input type="radio"/> THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED 39 <input type="radio"/> THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS <input type="radio"/> THIS WELL WILL DEEPEN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEINED (IF AVAILABLE) 41 52		SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER 1. Well 2. 3. WRITE THE BOX NUMBER FROM THE MAP HERE E 830 7 N 540 4 000 000 DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION 	
Not to be filled in by driller (MDE OR COUNTY USE ONLY) APPROP. PERMIT NUMBER HD 2405 G 009 PERMIT No. HD-95-0506 70 71 72 73 74 75 76 77 78 79			
SPECIAL CONDITIONS NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED Ex: Well brought above grade			

**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: Tri-County Pump Service, Inc. Telephone #: 301-432-0330  
Address: 6711 Old National Pike  
Beensboro, Md 21713

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer  
License # and name of individual responsible for the field installation:

Name (Print): William E. Griffin License #: 20135

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

Name of Property Owner: Cheryl Smalls Telephone #: \_\_\_\_\_  
Subdivision: Saddleback Farm Lot #: 3 Well Tag #: HO-95-0506  
Site Address: 10149 Saddleback Farm Trail  
Laurel

<b>Submersible Pump Data</b>	<b>Pitless Adapter</b>	<b>Well Cap and Electric Conduit</b>
Make: <u>SFA</u>	Make: <u>American Gravity Inc.</u>	Two piece watertight cap: <u>YES</u>
Model #: <u>SP94HS05221</u>	Model #: <u>PT800</u>	Screened, vented well cap: <u>YES</u>
Pump Capacity: <u>7</u> GPM	Depth: <u>36"</u> (36" min)	Cap secured to casing: <u>YES</u>
Well Yield: <u>12</u> GPM	NSF/WSC approved: _____	Conduit min 18" B.G.: <u>YES</u>
Depth of well encountered at time of pump installation: <u>75</u> (feet)		Conduit secured to well cap: <u>YES</u>
If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4		
Torque arrestors, Cable guards, or other acceptable method used- Must circle one.		
Safety rope, if used, attached to brass rope adapter or other acceptable method <u>inside of well casing</u>		

<b>Piping to house</b>	<b>House Connection</b>
Type: <u>Poly</u>	PVC sleeve to undisturbed soil at well penetration: <u>YES</u>
PSI: <u>160</u> (160 psi min)	Approximate length of sleeve: <u>60 ft</u>
Depth of supply line: <u>36"</u> (36" min)	Sleeve caulked and sealed properly: <u>YES</u>

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: William E. Griffin

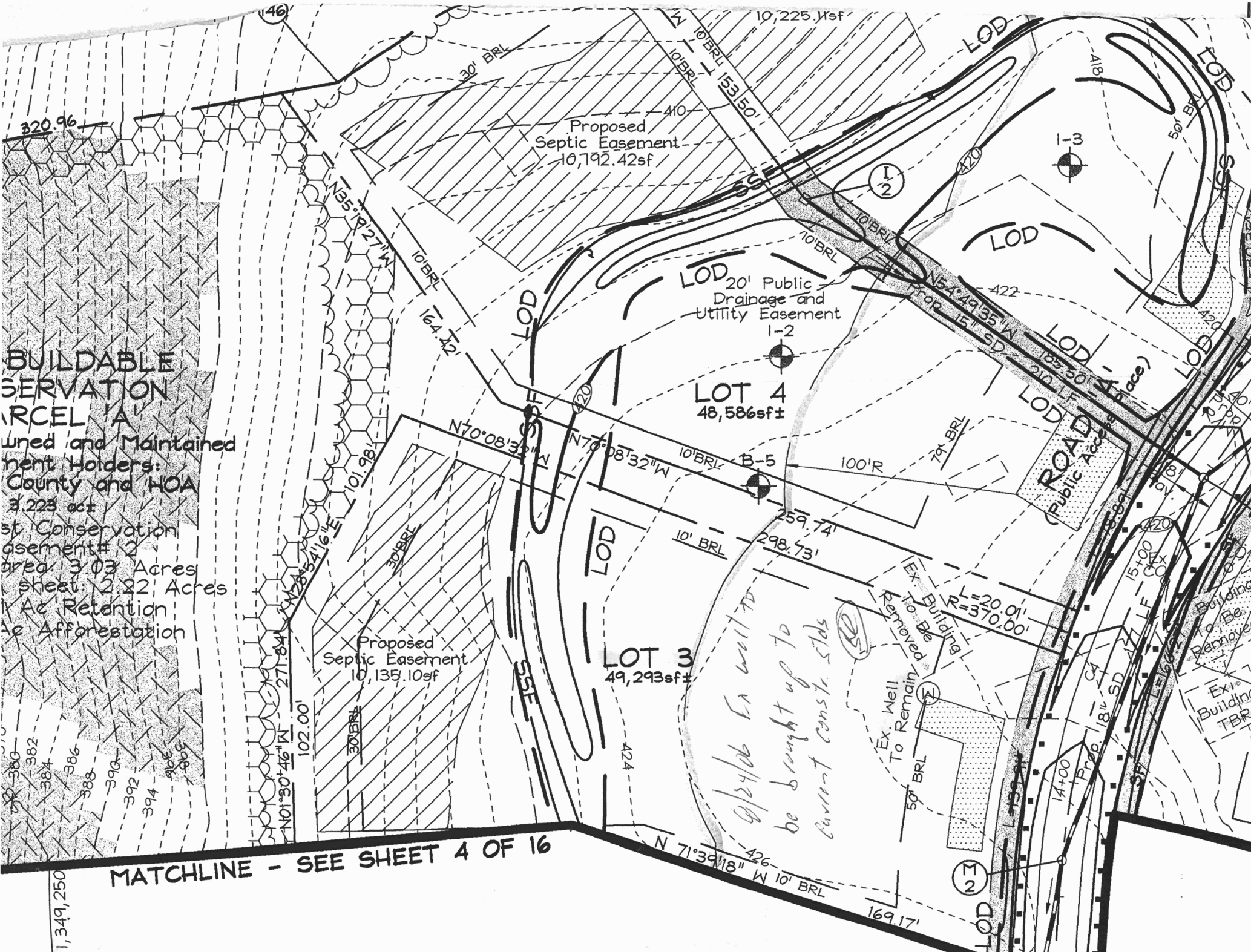
date: 7-11-07

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

Date Insp. Requested: \_\_\_\_\_ Date Insp. Approved: 7/17/07 Inspector: BB  
Inspection Data: Pitless adapter watertight & 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 not seen outside of well cap/casing ✓  
Correct well tag attached properly and casing 8" above finished grade ✓  
Water supply line sleeved adequately at house connection ✓  
Adequate grout observed below pitless adapter ✓

NO GROUT DOWN TO 11"  
BELOW GRADE

**BUILDABLE  
CONSERVATION  
PARCEL 'A'**  
 Owned and Maintained  
 by Joint Holders:  
 County and HOA  
 3.223 ac  
 1st Conservation  
 Easement # 2  
 Area: 3.03 Acres  
 Sheet: 2.22 Acres  
 1st Afforestation  
 Retention



**MATCHLINE - SEE SHEET 4 OF 16**



# Fredericktowne Labs Inc.

ENVIRONMENTAL TESTING

3020 Ventria Court • P.O. BOX 245 • Myersville, MD 21773 • 800-332-3340 • FAX 301-293-2368  
www.fredericktownelabs.com • info@fredericktownelabs.com

## Certificate of Analysis

Acct. No. 3948 - 166-1

### Field Record

Site visit performed on: Tuesday, September 04, 2007 11:00 AM  
by: Don Thomas State ID No. 8765DT  
Affiliation: Tri-County Pump Service Inc.

Property Owner: Craftmark Home

Property Address: Lot 3

10149 Saddlebrook Farm Trail

Sample Source: 1st Floor Powder Room

Field pH: 6.0

Res. Cl.: 0.0 mg/l

### Laboratory Report

Sample Received at laboratory: 9/4/07 12:35 PM

#### Bacteriological results:

<u>Total Colif. (/100ml)</u>	<u>E.coli.(/100ml)</u>	<u>Date/Time Analysis Started</u>	<u>Method</u>	<u>Analyst</u>
<1	<1	9/4/07 2:17 PM	9223B	JD

Bacteriological analysis of this sample indicates the water is safe for human consumption.  
Analysis was performed according to the 20th edition of Standard Methods

#### Inorganic Chemical results:

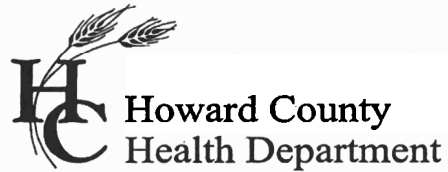
<u>Parameter</u>	<u>Result Units</u>	<u>MCL</u>	<u>Date of Analysis</u>	<u>Method</u>	<u>Analyst</u>
Nitrate-Nitrogen	7.3 mg/l	10	9/5/07	300.0	PH
Sand	<2 mg/l	5	9/5/07	0.065mm Filter	JD
Turbidity	8.4 NTU	10	9/4/07	180.1	PW

Verified by:

M. L. Miller/pw 9/6/07  
Date

Fredericktowne Labs, Inc. is a State Certified Water Quality Laboratory

Maryland Cert. No. 116 Virginia Cert. No. 00141 W. Virginia Cert. No. 9924-M



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

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

January 30, 2007

Shalehearth L.C.  
6820 Elm Street  
Suite 200  
McLean, Virginia 22101

RE: Saddlebrook Farm, Lot 3  
Well Tag: HO - 95 - 0506

To Whom It May Concern:

A sample was collected from a yield test on January 17, 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  $8.0 \pm 1.6$  picocuries/liter (pCi/L); while the **Gross Beta** level was  $12.1 \pm 1.4$  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

~ Zach Fish; FSH Associates, 6339 Howard Lane, Elkridge., MD 21075





Howard County  
Health Department

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

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

September 21, 2007

Shalehearth LC  
6820 Elm Street, Suite 200  
McLean, Virginia 22101

RE: Saddlebrook Farm, Lot 3  
10149 Saddlebrook Farm Trail  
Woodstock, MD 21163  
BP #: B07000565  
Well Permit # HO-95-0506

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 07/06/2007.** **Final approval of the well line connection to the dwelling was approved on 07/17/2007.**

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.

Also, a Gross Alpha and Beta sample was collected on 01/17/2007. 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 additional 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-95-0506. 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.

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: KW3-BF-0506 No. B: \_\_\_\_\_ Field Blank Bottle No. A: \_\_\_\_\_ No. B: \_\_\_\_\_

Plant/Site Name: Saddle Brook Farms County: Howard

Sample Source: Canary Ln Lot 3 Location: 40-95-0506  
(well no., lab sink, sample tap, etc.)

County: ☒ ☒ 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: 1/17/07

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

Nitric Acid Preserved: Yes ☒ No ☐

Iced: Yes ☐ No ☒

Submitters Code: ☐ ☐ Federal Project: ☐ Field Data: \_\_\_\_\_

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

Remarks: Sample taken during crop pump test 1/2 hour

✓	Test	EPA Code	Laboratory No.	Results (pCi/L)	Date Reported
✓	Gross Alpha	4000	<u>701095-003</u>	<u>9.0 ± 1.6</u>	<u>1/23/07</u>
	Gross Beta	4100		<u>121.5/4</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: \_\_\_\_\_