

C1 1147

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)

FILL IN THIS FORM COMPLETELY PLEASE TYPE

COUNTY NUMBER A520415

ST/CO USE ONLY DATE Received MM DD YY 1 09 10

DATE WELL COMPLETED MM DD YY 10-13-2010

Depth of Well 22 200 26 (TO NEAREST FOOT)

OK 2/7/17 SC

PERMIT NO. FROM "PERMIT TO DRILL WELL" H0-95-2000

OWNER: Greenfield Homes Inc. STREET OR RFD: Willow Pond SUBDIVISION: Willow Pond SECTION: TOWN: Clarksville LOT: 1

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes handwritten entries: Sand (0-40), Gray Mica Rock (40-200), Water (180).

GROUTING RECORD: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL: CEMENT (CM), BENTONITE CLAY (BC), NO. OF BAGS: 14, NO. OF POUNDS: 1316, GALLONS OF WATER: 84, DEPTH OF GROUT SEAL: 0 to 51 ft.

CASING RECORD: casing types insert appropriate code below. MAIN CASING TYPE: ST (STEEL), Nominal diameter: 6 inch, Total depth: 54 ft.

OTHER CASING (if used) diameter inch, depth (feet) from to

SCREEN RECORD: screen type or open hole insert appropriate code below. SCREEN: ST (STEEL), BR (BRASS), HO (OPEN HOLE), PL (PLASTIC), OT (OTHER)

NUMBER OF UNSUCCESSFUL WELLS: 0. WELL HYDROFRACTURED: Y (yes), N (no)

CIRCLE APPROPRIATE LETTER: A (WELL WAS ABANDONED AND SEALED), 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...

DRILLERS LIC. NO.: MS D 024. DRILLERS SIGNATURE: [Signature]. LIC. NO.: D

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

Table with columns: C2, DEPTH (nearest ft.), A, C, H, S, R, E, N. Includes handwritten entries: 80, 52, 200.

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

PUMPING TEST: HOURS PUMPED (nearest hour): 3. PUMPING RATE (gal. per min.): 20. METHOD USED TO MEASURE PUMPING RATE: Bucket. WATER LEVEL (distance from land surface) BEFORE PUMPING: 4 ft. WHEN PUMPING: 28 ft. TYPE OF PUMP USED (for test): S (submersible)

PUMP INSTALLED: DRILLER INSTALLED PUMP 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): + above, - below. LAND SURFACE (nearest foot): 2

LOCATION OF WELL ON LOT: SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND /OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL). See attached location.

3401 SEQUENCE NO. (MDE USE ONLY) STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please type 53401D STATE PERMIT NUMBER HO-95-2000
 70 fill in this form completely 79

OWNER INFORMATION
 Date Received (APA) 08 30 10
 8 MM DD YY 13
 15 Last Name Owner First Name 34
 Greenfield Homes Inc
 36 Street or RFD 55
 6656 Luster Drive
 Highland Md 20777
 57 Town 70 State 72 Zip 76

LOCATION OF WELL
 B 3
 8 COUNTY 21
 Howard
 23 SUBDIVISION 42
 Willow Pond
 SECTION 44 46 LOT 48 50
 Clarksville
 52 NEAREST TOWN 71
 MILES FROM TOWN (enter 0 if in town) 1 M I
 73 76 77 78

DRILLER INFORMATION
 Driller's Name 76 License No. 81
 Joseph L. Mayne M 5 D 024
 Firm Name
 Joseph L. Mayne Well Drilling
 Address
 5512 Ridge Rd Mt. Airy Md 21771
 Signature Date
 Joseph L. Mayne 8-24-2010

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)
 B 4
 1 2
 N W N E W E S W S E S
 8 8 8 8 8 8 8 8
 TOWN
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
 11 NEAR WHAT ROAD 30
 Prestwick Drive
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
 NORTH N WEST W EAST E SOUTH S
 34 37
 370
 DISTANCE FROM ROAD ENTER FT OR MI 38 39
 TAX MAP: 34 BLK: 17 PARCEL 382

WELL INFORMATION
 B 2
 1 2
 APPROX. PUMPING RATE (GAL. PER MIN.) 4
 8 12
 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500
 14 20

USE FOR WATER (CIRCLE APPROPRIATE BOX)
 22
 DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION
 FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
 INDUSTRIAL, COMMERCIAL, DEWATERING
 PUBLIC WATER SUPPLY WELL
 TEST, OBSERVATION, MONITORING
 GEO-THERMAL

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
 Howard (13) A520415
 COUNTY NAME COUNTY NO.
 STATE SIGNATURE INSERT S
 DATE ISSUED 9/24/2010 Brun Barber 9/24/2011
 43 MM DD YY 48 CO SIGNATURE EXP. DATE
 NORTH GRID 495 000 EAST GRID 813 000
 50 55 57 63

APPROXIMATE DEPTH OF WELL 300 FEET
 24 28
 APPROXIMATE DIAMETER OF WELL 6 INCH
 NEAREST TOWN

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 813
 N 4995
 000
 000
 -50' casing used
 -sample collected during yield test
 10/13/10
 (KB)

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 DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)
 39
 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) 41 52

DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION
 N
 Prestwick Dr
 access Drive
 well
 Clarksville

Not to be filled in by driller (MDE OR COUNTY USE ONLY)
 APPROP. PERMIT NUMBER G
 Ho-95-2000
 70 71 72 73 74 75 76 77 78 79

Sample Needed, 50' of Steel Casing Needed
 COUNTY

**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: Gartland Plumbing Telephone #: 410-875-5303
Address: 1630 W. Old Liberty Rd
Sykesville, MD 21284

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer
License # and name of individual responsible for the field installation:
Name (Print): James J. Gartland III License# 6352
*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: Massaro Telephone #: 410-365-3702
Subdivision: Willow Pond Lot #: 1 Well Tag #: HO-95-2000
Site Address: 6506 Heather Glen Way
Clarksville, MD 21029

Submersible Pump Data	Pitless Adapter	Well Cap and Electric Conduit
Make: <u>Goolds</u>	Make: <u>Campbell</u>	Two piece watertight cap: <input checked="" type="checkbox"/>
Model #: <u>186515 422C</u>	Model#: <u>B-20XLF</u>	Screened, vented well cap: <input checked="" type="checkbox"/>
Pump Capacity <u>20</u> GPM	Depth: <u>48</u> (36" min)	Cap secured to casing: <input checked="" type="checkbox"/>
Well Yield: <u>20</u> GPM	NSF approved: <u>Yes</u>	Conduit min 18" R.G.: <input checked="" type="checkbox"/>
Depth of well encountered at time of pump installation: <u>200</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
Safety rope, if used, attached to inside of well casing with eye bolt Yes

Piping to house
Type: Poly
PSI: 200 (160 psi min)
Depth of supply line: 48 (36" min)

House Connection
PVC sleeved to undisturbed soil at wall penetration: _____ } Sleeved Under Footer
Approximate length of sleeve: _____
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 of company representative responsible for installation 12/15/15
date

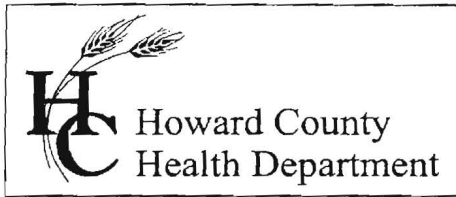
For Health Department Use Only - Not to be completed by Installer

Date Insp. Requested: 12/15/15 Date Insp. Approved: 2/17/17
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 8" above finished grade
Water supply line sleeved adequately at house connection
Adequate grout observed below pitless adapter

→ did not inspect, pics sent 2/17/17 &
under footer

HD-215 (Rev. 8/00)

12/15/15 - trench flooded, could not inspect grout (no grout observed on top or in spoil pile); could not inspect or see pitless adapter. Line at the house was also not exposed for inspection. (RR)



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

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

November 17, 2010

Greenfield Homes, Inc.
6656 Luster Drive
Highland, Maryland 20777

RE: Willow Pond Lot 1
Prestwick Drive
Well Tag: HO - 95 - 2000

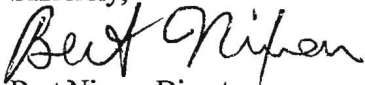
To Whom It May Concern:

A sample was collected during a yield test on October 13, 2010 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 6.5 ± 2.1 picocuries/liter (pCi/L); while the **Gross Beta** level was 8.9 ± 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 **does** appear safe for all uses. Additional testing **for these parameters** will not be required to secure the future Use & Occupancy. However, 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 or to discuss additional testing requirements.

Sincerely,

Bert Nixon, Director
Bureau of Environmental Health

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

Send Report To:

Bert Wilson
7178 Columbia Gateway
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

E000629 814 5

LABORATORY ANALYSIS REQUEST

Sample Bottle No. A: HO-95-2000 No. B: _____ Field Blank Bottle No. 1: _____ No B: _____

Plant/Site Name: Willow Pond - Lot 1 County: Howard

Sample Source: Well - Prestwick Dr. Location: HO-95-2000
(well no, lab sink, sample tap, etc.)

County: 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 type="checkbox"/>		Special <input type="checkbox"/>

Collector: K. Wolf

Telephone No.: 410-313-2645

Date Collected: 10/13/10

Time Collected: 10:45 a.m. _____ p.m.

Nitric Acid Preserved: Yes No Iced: Yes No

Submitters Code: Federal Project: Field Data: _____
pH _____ Chlorine _____

Remarks: sample preserved to pH < 3.0

✓	Test	EPA Code	Laboratory No.	Results (pCi/L)	Date Analyzed	Date Reported
✓	Gross Alpha	4000	<u>0629</u>	<u>6.5 ± 2.1</u>	<u>10/20/10</u>	<u>10/21/10</u>
✓	Gross Beta	4100	<u>0629</u>	<u>8.9 ± 2.1</u>	<u>11</u>	<u>11</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: 10/14/10

Supervisor: [Signature]

• Tel. No. (410) 767 - 5573 • Fax No: (410) 333- 5373

RECEIVED
RADIATION LABORATORY
OCT 21 2010

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

E000630 814

FIELD BLANK
WILLOW
LOT 1

LABORATORY ANALYSIS REQUEST

Sample Bottle No. A: Field Blank No. B: _____ Field Blank Bottle No. 1: _____ No B: _____

Plant/Site Name: _____ County: Howard

Sample Source: _____ Location: _____
(well no, lab sink, sample tap, etc.)

County: 1 3 Plant No.

CHECK (one per box)

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

Collector: K. Wolf Telephone No.: 410-513-2645

Date Collected: 10/13/10 Time Collected: _____ a.m. _____ p.m.

Nitric Acid Preserved: Yes No Iced: Yes No

Submitters Code: Federal Project: Field Data: _____
pH _____ Chlorine _____

Remarks: Field Blank to accompany Routine Sample

✓	Test	EPA Code	Laboratory No.	Results (pCi/L)	Date Analyzed	Date Reported
✓	Gross Alpha	4000	0630	< 2.0	10/20/10	10/21/10
✓	Gross Beta	4100	0630	< 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: 10/14/10

Supervisor: [Signature]

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

ENVIRO-CHEM LABORATORIES, INC.



47 Loveton Circle, Suite K • Sparks, Maryland 21152

410-472-1112

FINAL REPORT OF ANALYSIS

Greenfield Homes
6656 Luster Drive
Highland, MD 20777

Report Date: 02/26/2017
Report Number: 170226184836
Use and Occupancy
PERMIT #: B15003395

LAB#- E048165-01 SAMPLE ID- 6506 Heather Glen Way, Lot 1 WELL #
LOCATION- Powder Room After Treatment SAMPLER- A Salins 8862AS
DATE SAMPLED- 02/23/2017 TIME SAMPLED- 17:15 CHLORINE-
DATE RECEIVED- 02/24/2017 TIME RECEIVED- 08:05
DELIVERED BY- A Salins RECEIVED BY- Ginny Shelley

COMMENTS-
→ whole house softener + POU R.O.

COMMENTS-

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT	DATA FLAG
Dissolved Metals EPA 200.7 by Enviro-Chem					
\$ Iron	EPA 200.7	02/26/17 18:11	SES	< 0.050	mg/L
\$ Manganese	EPA 200.7	02/26/17 18:11	SES	< 0.010	mg/L
Total Metals EPA 200.7 by Enviro-Chem					
\$ Iron	EPA 200.7	02/26/17 18:06	SES	< 0.050	mg/L
\$ Manganese	EPA 200.7	02/26/17 18:06	SES	< 0.010	mg/L
Wet Chemistry by Enviro-Chem					
\$ Turbidity	EPA 180.1	02/24/17 11:15	RPD	0.9	NTU

ENVIRO-CHEM LABORATORIES, INC.



47 Loveton Circle, Suite K • Sparks, Maryland 21152

410-472-1112

FINAL REPORT OF ANALYSIS

Meadow Brook Water Treatment
7410 Rossville Boulevard
Rosedale, MD 21237

Report Date: 02/12/2017
Report Number: 170212092054
Use and Occupancy
PERMIT #: B15003395

LAB#- E047988-01 SAMPLE ID- 6506 Heather Glen Way Lot 1 WELL #
LOCATION- Basement Power Room SAMPLER- 8622AS
DATE SAMPLED- 02/10/2017 TIME SAMPLED- 14:10 CHLORINE- Non detect
DATE RECEIVED- 02/10/2017 TIME RECEIVED- 15:20
DELIVERED BY- Anselm Salins RECEIVED BY- Stephen Shelley
COMMENTS-

COMMENTS-

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT	DATA FLAG
Microbiology by Enviro-Chem					
# Total Coliform	SM 9223B	02/10/17 16:10	VPS	Absent	PASS
# E. Coli	SM 9223B	02/10/17 16:10	VPS	Absent	PASS

Based on coliform bacteriological standards, at the time of sampling this water was **SAFE** for drinking water purposes.

Stephen Shelley
Laboratory Director

Certifications

- State of Maryland Certification #192
Virginia Drinking Water 8634
Indicates a MD certified Analyte
! Indicates a MD, VA certified Analyte
\$ Not a certified Analyte

ENVIRO-CHEM LABORATORIES, INC.



47 Loveton Circle, Suite K • Sparks, Maryland 21152

410-472-1112

FINAL REPORT OF ANALYSIS

Meadow Brook Water Treatment
7410 Rossville Boulevard
Rosedale, MD 21237

Report Date: 01/28/2017
Report Number: 170128100522
Use and Occupancy
PERMIT #:

LAB#- E047788-01 SAMPLE ID- 1506 Heather Glen Way WELL # HO 95-2000
LOCATION- Bathroom Sink SAMPLER- 8622AS
DATE SAMPLED- 01/24/2017 TIME SAMPLED- 15:50 CHLORINE- Non detect
DATE RECEIVED- 01/24/2017 TIME RECEIVED- 16:35
DELIVERED BY- ALS Environmental RECEIVED BY- Ginny Shelley
COMMENTS-

COMMENTS-

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT	DATA FLAG
Microbiology by Enviro-Chem					
# Total Coliform	SM 9223B	01/24/17 16:40	VPS	Absent	PASS
# E. Coli	SM 9223B	01/24/17 16:40	VPS	Absent	PASS

Based on coliform bacteriological standards, at the time of sampling this water was **SAFE** for drinking water purposes.

Total Metals EPA 200.7 by Enviro-Chem

\$ Iron	EPA 200.7	01/25/17 12:36	RAS	<u>13.1</u>	mg/L
---------	-----------	----------------	-----	-------------	------

Wet Chemistry by Enviro-Chem

# Nitrate (as N)	EPA 300.0	01/24/17 17:55	WND	< 0.2	mg/L	PASS
\$ pH	SM4500-H+B	01/24/17 17:00	RPD	6.3	SU	
\$ Settleable Solids	EPA 160.5	01/24/17 17:00	VPS	< 0.2	ml/L/Hr	
\$ Turbidity	EPA 180.1	01/24/17 16:00	RPD	398	NTU	

Stephen Shelley
Laboratory Director

Certifications

- State of Maryland Certification #192
Virginia Drinking Water 8634
Indicates a MD certified Analyte
! Indicates a MD, VA certified Analyte
\$ Not a certified Analyte

Wolf, Kevin

From: Wolf, Kevin
Sent: Tuesday, February 21, 2017 4:34 PM
To: raminor@comcast.net
Subject: 6506 Heather Glen Way

Rick,

Looking at these test results you have submitted, we cannot approve a Certificate of Potability at this time. Please have the lab retest for the following parameters (before treatment and after treatment):

- Turbidity
- Iron (please ask the lab if they can test for specific types of iron)

With this elevated turbidity and iron, there is something else at play here, we need to rule out why the turbidity level is so high. Basically isolate the excessive iron. As far as the regulation goes, here is what it states verbatim and summing up what I am discussing here:

COMAR 26.04.04.16E. Well Development

(a) Contains less than 5 milligrams sand or larger sized particles per liter of water, where particles with a diameter between 0.0625 and 2.0 mm are considered to be sand; and

(b) Has a turbidity of less than 10 NTU (nephelometric turbidity unit) as determined by methods designated in 40 CFR §141.74(a)(1), except if the turbidity is due to the oxidation of dissolved iron or manganese naturally occurring in the water.

Thanks,

Kevin M. Wolf, LEHS, REHS/RS
Groundwater Mgmt. Sec. Supervisor
Well & Septic Program
Bureau of Environmental Health
8930 Stanford Blvd.
Columbia, MD 21045
(o) 410-313-2645
(f) 410-313-2648

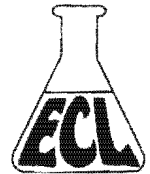


kwolf@howardcountymd.gov

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ENVIRO-CHEM LABORATORIES, INC.



47 Loveton Circle, Suite K • Sparks, Maryland 21152

410-472-1112

FINAL REPORT OF ANALYSIS

Greenfield Homes
6656 Luster Drive
Highland, MD 20777

Report Date: 02/26/2017
Report Number: 170226184836
Use and Occupancy
PERMIT #: B15003395

LAB#- E048165-02 SAMPLE ID- 6506 Heather Glen Way, Lot 1 WELL #
LOCATION- Pressure Tank Before Treatment SAMPLER- A Salins 8862AS
DATE SAMPLED- 02/23/2017 TIME SAMPLED- 17:15 CHLORINE-
DATE RECEIVED- 02/24/2017 TIME RECEIVED- 08:05
DELIVERED BY- A Salins RECEIVED BY- Ginny Shelley
COMMENTS-

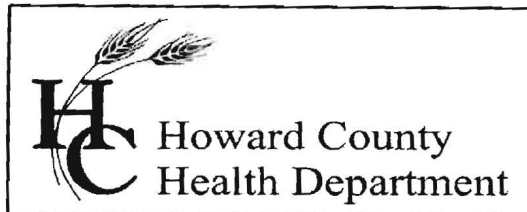
COMMENTS-

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT	DATA FLAG
Dissolved Metals EPA 200.7 by Enviro-Chem					
\$ Iron	EPA 200.7	02/26/17 18:14	SES	< 0.050	mg/L
\$ Manganese	EPA 200.7	02/26/17 18:14	SES	0.067	mg/L
Total Metals EPA 200.7 by Enviro-Chem					
\$ Iron	EPA 200.7	02/26/17 18:13	SES	1.38	mg/L
\$ Manganese	EPA 200.7	02/26/17 18:13	SES	0.074	mg/L
Wet Chemistry by Enviro-Chem					
\$ Turbidity	EPA 180.1	02/24/17 11:15	RPD	13.1	NTU

Stephen Shelley
Laboratory Director

Certifications

- State of Maryland Certification #192
Virginia Drinking Water 8634
Indicates a MD certified Analyte
! Indicates a MD, VA certified Analyte
\$ Not a certified Analyte



Bureau of Environmental Health

8930 Stanford Blvd., Columbia, MD 21046-2147

Main: 410-313-1774 | Fax: 410-313-2648

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

www.hchealth.org

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Twitter: HowardCoHealthDep

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

INTERIM CERTIFICATE OF POTABILITY

Expiration Date – AUGUST 27, 2017

February 27, 2017

Homeowner
6506 Heather Glen Way
Clarsville, MD 21029

**RE: Willow Pong, Lot 1
6506 Heather Glen Way
Building Permit: B15003395
Well Permit: HO-95-2000**

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 **1/18/2017**. Final approval of the well line connection to the dwelling was granted on **2/7/2017**. The well construction was completed on **10/13/2010**. Water samples were collected on **1/24/2017, 2/10/2017 & 2/23/2017**.

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 **10/13/2010**. Results showed a Gross Alpha level of **6.5 ± 2.1 pCi/L** and Gross Beta level of **8.9 ± 2.1 pCi/L**. **These exceed the maximum contaminant levels (MCL) of 15 pCi/L and/or 50 pCi/L, respectively.**

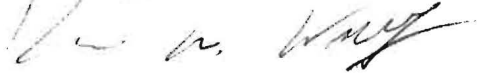
This certifies that the initial sampling requirements of COMAR 26.04.04 "Well Regulations" have been met for the water supply system installed under well permit HO-95-2000. Although the submitted sample results are in compliance with COMAR standards, the Health Department does not guarantee water supplies.

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>

In closing, please refer to our "Homeowner Fact Sheet" for understanding your Best Available Technology (BAT) for your onsite sewage disposal. You will also find a link to Maryland Department of the Environments website which elaborates in further detail operation and maintenance of your BAT.

Approving Authority,



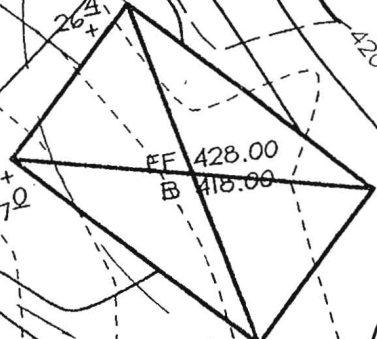
Kevin M Wolf, L.E.H.S., REHS/R.S., Supervisor
Groundwater Mgmt. Section
Well & Septic Program

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

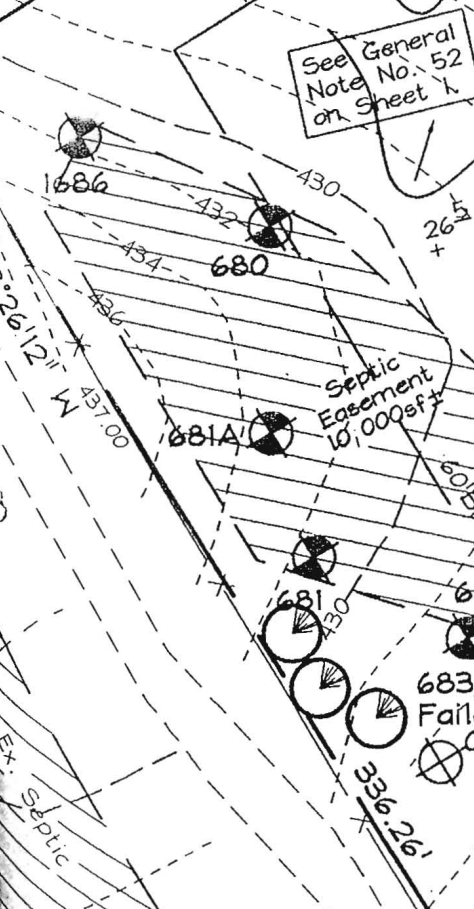
9/10/2010
Well Sites O.K.

BB

See General
Note No. 52
on Sheet 1

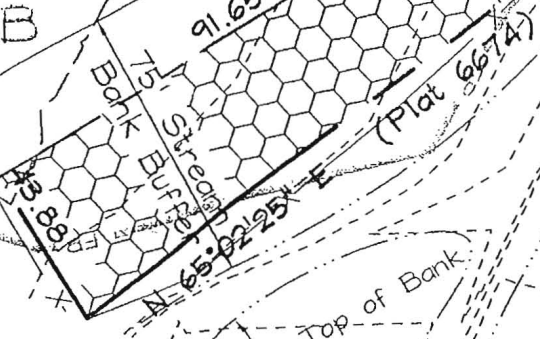


LOT 1
3.143 AC±



Forest Conservation
Easement #1
2.57 Ac.
0.28 Retention (0.14 credit)
1.27 Ac. Planting
1.02 Ac. Non-credited
Floodplain Retention
Stormwater Management
Credit Easement

GnB



(Plat 6674)

