

B 1 SEQUENCE NO. (MDE USE ONLY) 54266 STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL STATE PERMIT NUMBER Ho-18-0008
 1 2 3 4 5 6 563023 please type 70 79
 fill in this form completely

Date Received (APA) 06/3/18
OWNER INFORMATION
 8 MM DD YY 13
 15 Last Name Land Design + Development Owner First Name Land 34
 36 Street or RFD 8318 Forest Street Su. # 200 55
 57 Town Ellicott City, MD 70 State MD 72 Zip 21043 76

B 3 LOCATION OF WELL
 8 COUNTY Howard 21
 23 SUBDIVISION Jacks Landing 42
 SECTION 44 46 LOT 8 Well #2 48 50
 52 NEAREST TOWN Clarksville 71

DRILLER INFORMATION
 76 Driller's Name Michael Barlow MWD 355 License No. 81
 Firm Name Barlow Well Drilling
 Address 522 Underwood Lane 21047
 Signature [Signature] Date 6/1/18

B 4 SOURCES OF DRILLING WATER
 1. Well
 2.
 3.
 11 STREET ADDRESS Tr. Adolphia M. II RD 30
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
 NORTH WEST EAST SOUTH
 34 50 37 DISTANCE FROM ROAD
 ENTER FT OR MI FT 38 39
 TAX MAP: 34 BLK: 3 PARCEL 414

B 2 WELL INFORMATION
 1 2 APPROX. PUMPING RATE (GAL. PER MIN.) 5 8 12
 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 750 14 20

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

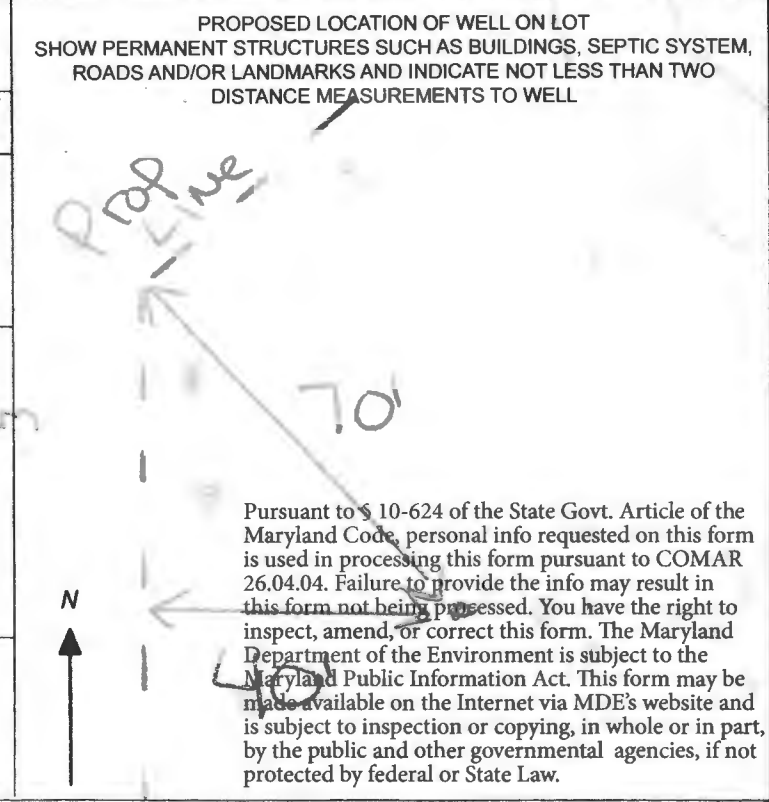
NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
 COUNTY NAME Howard COUNTY NO. 13
 STATE SIGNATURE _____ INSERT S _____ 41
 DATE ISSUED 2/4/19 CO SIGNATURE [Signature] EXP. DATE 2/4/20
 43 MM DD YY '48

APPROXIMATE DEPTH OF WELL 300 FEET 24 28
 APPROXIMATE DIAMETER OF WELL _____ INCH 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 DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)
 THIS WELL WILL NOT REPLACE AN EXISTING WELL USED IN TANKS
 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) 41 _____ 52

Not to be filled in by driller (MDE OR COUNTY USE ONLY)
 APPROX. PERMIT NUMBER _____ G _____
 PERMIT No. Ho-18-0008
 70 71 72 73 74 75 76 77 78 79



C1 56410

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT FILL IN THIS FORM COMPLETELY PLEASE TYPE

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

1 2 3 4 5 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

COUNTY NUMBER

ST/CO USE ONLY DATE RECEIVED MM DD

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL" Ho 18-0008

OWNER LAND DESIGN + Development WELL SITE ADDRESS Philadelphia Mill TOWN CLARKSVILLE SUBDIVISION SAGE LANDING SECTION LOT 8

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 Soil, Red clay, Brown Shale, MED GRAIN Rock.

GRROUTING RECORD yes no WELL HAS BEEN GROUTED (Circle Appropriate Box) Y N

TYPE OF GROUTING MATERIAL (Circle one) CEMENT [CM] BENTONITE CLAY [BC] NO. OF BAGS 20 NO. OF POUNDS 1500 GALLONS OF WATER 100 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 38 ft.

CASING RECORD casing types insert appropriate code below MAIN CASING TYPE ST Nominal diameter top (main) casing (nearest inch)! 6 Total depth of main casing (nearest foot) 50

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

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

DEPTH (nearest ft.) Ho 50 850 E A C H S R E E N SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH) 56 60 from to

C 3 PUMPING TEST

HOURS PUMPED (nearest hour) 6 PUMPING RATE (gal. per min.) 75 METHOD USED TO MEASURE PUMPING RATE water bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 44 ft. WHEN PUMPING 202 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 YES NO

IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS. TYPE OF PUMP INSTALLED PLAGE (A,C,J,P,R,S,T,O) IN BOX 29 CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 PUMP HORSE POWER 37 PUMP COLUMN LENGTH (nearest ft.) 43 CASING HEIGHT (circle appropriate box and enter casing height) + above LAND SURFACE 1 (nearest foot) - below

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED yes no Y 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 D 355

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) LIC. NO. WRD 113

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

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

LATITUDE 3 921532 LONGITUDE 7 697519 (DEFAULT COORD. WGS 84)

Pursuant to §10-624 of the State Govt. Article of the Maryland Code personal info. requested on this form is used in processing this form pursuant to COMAR 26.04.04. Failure to provide the info. may result in this form not being processed. You have the right to inspect, amend, or correct this form. The Maryland Department of the Environment is subject to the Maryland Public Information Act. This form may be made available on the Internet via MDE's website and is subject to inspection or copying, in whole or in part, by the public and other governmental agencies, if not protected by federal or state law.



MICHAEL BARLOW WELL DRILLING & SERVICE, INC.
522 Underwood Lane **Bel Air, Maryland 21014**
(410) 838-6910 **Fax (410) 838-3582**

WELL YIELD REPORT

Date Test Completed:	March 26, 2018		
Well Depth:	850	feet	
Customer	Land Design & Development	Permit #	
Road	Triadelphia Mill Rd	Subdivision	Jacks Landing
City	Highland	Section	Well #2
State	Maryland	Lot #	8

Time	Water Level feet	Time to Fill 1-gallon bucket seconds	G.P.M.
9:45 AM	44	5	12.00
10:00 AM	130	7	8.57
10:15 AM	205	80	0.75
10:30 AM	205	80	0.75
10:45 AM	205	80	0.75
11:00 AM	205	80	0.75
11:15 AM	204	80	0.75
11:30 AM	204	80	0.75
11:45 AM	204	80	0.75
12:00 PM	204	80	0.75
12:15 PM	204	80	0.75
12:30 PM	204	80	0.75
12:45 PM	205	80	0.75
1:00 PM	205	80	0.75
1:15 PM	204	80	0.75
1:30 PM	204	80	0.75
1:45 PM	204	80	0.75
2:00 PM	204	80	0.75
2:15 PM	203	80	0.75
2:30 PM	203	80	0.75
2:45 PM	202	80	0.75
3:00 PM	202	80	0.75
3:15 PM	202	80	0.75
3:30 PM	202	80	0.75
3:45 PM	202	80	0.75
4:00 PM	202	80	0.75
4:15 PM	202	80	0.75

This yield test report is for informational purposes only. Please note the yield may increase or decrease over time and the GPM indicated above is not a guarantee.

ENVIRO-CHEM LABORATORIES, INC.



47 Loveton Circle, Suite K • Sparks, Maryland 21152

410-472-1112

FINAL REPORT OF ANALYSIS

Michael Barlow Well Drilling
522 Underwood Lane
Bel Air, MD 21014

Report Date: 04/10/2018
Report Number: 180410111354

LAB#- E053327-02 SAMPLE ID- Lot 8 Well 2 WELL #
LOCATION- Well Head SAMPLER- 8862 MI
DATE SAMPLED- 03/27/2018 TIME SAMPLED- 16:30 Residual Chlorine- <0.05 mg/L
DATE RECEIVED- 03/28/2018 TIME RECEIVED- 15:45
DELIVERED BY- B Johnston RECEIVED BY- Ginny Shelley
COMMENTS-

COMMENTS-

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT	DATA FLAG
Total Metals by EPA 200.7 by Enviro-Chem					
\$ Sodium	EPA 200.7	03/30/18 13:06	RAS	18.6	mg/L
Wet Chemistry by Enviro-Chem					
\$ Chloride	EPA 300.0	03/28/18 22:26	WND	84.0	mg/L
\$ Dissolved Solids	SM 2540C	04/02/18 12:00	SES	334	mg/L

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

Analytical Results

Project: Jacks Landing

Project Number: E053327

Project Manager: Stephen Shelley

Reported:

04/03/18 11:25

E053327-02 (Lot 8 Well 2)
Jacks Landing
8032902-02 (Drinking Water)
Sample Date: 03/27/18

Analyte	Result	Units	Reporting		Prepared	Analyzed	Analyst	Notes
			Limit	Dilution				
VOLATILE ORGANICS BY EPA METHOD 524.2 (GC/MS)								
tert-Amyl alcohol (TAA)	ND	ug/L	10.0	1	03/29/18	03/29/18 13:54	WB	
tert-Amyl methyl ether (TAME)	0.74	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB	
Benzene	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB	
Bromobenzene	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB	
Bromochloromethane	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB	
Bromodichloromethane	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB	
Bromoform	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB	
Bromomethane	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB	
tert-Butanol (TBA)	ND	ug/L	10.0	1	03/29/18	03/29/18 13:54	WB	
n-Butylbenzenc	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB	
sec-Butylbenzene	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB	
tert-Butylbenzene	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB	
Carbon tetrachloride	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB	
Chlorobenzene	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB	
Chloroethane	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB	
Chloroform	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB	
Chloromethane	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB	
2-Chlorotoluene	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB	
4-Chlorotoluene	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB	
Dibromochloromethane	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB	
1,2-Dibromo-3-chloropropane	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB	
Dibromomethane	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB	
1,2-Dichlorobenzene	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB	
1,3-Dichlorobenzene	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB	
1,4-Dichlorobenzene	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB	
Dichlorodifluoromethane	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB	
1,1-Dichloroethane	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB	
1,2-Dichloroethane	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB	
1,1-Dichloroethene	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB	
1,2-Dichloropropane	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB	
1,3-Dichloropropane	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB	
2,2-Dichloropropane	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB	
1,1-Dichloropropene	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB	

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Will Brewington, President

Analytical Results

Project: Jacks Landing

Project Number: E053327
Project Manager: Stephen Shelley

Reported:
04/03/18 11:25

E053327-02 (Lot 8 Well 2)
Jacks Landing
8032902-02 (Drinking Water)
Sample Date: 03/27/18

Analyte	Result	Units	Reporting Limit	Dilution	Prepared	Analyzed	Analyst	Notes
VOLATILE ORGANICS BY EPA METHOD 524.2 (GC/MS) (continued)								
Diisopropyl ether (DIPE)	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB	
Ethyl tert-butyl ether (ETBE)	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB	
Ethylbenzene	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB	
Hexachlorobutadiene	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB	
4-Isopropyltoluene	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB	
Methyl tert-butyl ether (MTBE)	4.95	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB	
Methylene chloride	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB	
Naphthalene	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB	
n-Propylbenzene	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB	
Styrene	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB	
Tetrachloroethene	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB	
Toluene	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB	
1,1,1-Trichloroethane	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB	
1,1,2-Trichloroethane	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB	
Trichloroethene	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB	
Trichlorofluoromethane (Freon 11)	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB	
1,2,3-Trichloropropane	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB	
Vinyl chloride	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB	
o-Xylene	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB	
m- & p-Xylenes	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB	
Surrogate: 4-Bromofluorobenzene		80-120	92 %		03 29 18	03 29 18 13:54		
Surrogate: 1,2-Dichlorobenzene-d4		80-120	94 %		03 29 18	03 29 18 13:54		



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Analytical Results

Project: Jacks Landing

Project Number: E053327
Project Manager: Stephen Shelley

Reported:
04/03/18 11:25

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

Analytical Results

Project: Jacks Landing

Project Number: E053327
Project Manager: Stephen Shelley

Reported:
04/03/18 11:25

E053327-02 (Lot 8 Well 2)
Jacks Landing
8032902-02 (Drinking Water)
Sample Date: 03/27/18

Analyte	Result	Units	Reporting			Prepared	Analyzed	Analyst	Notes
			Limit	Dilution					
VOLATILE ORGANICS BY EPA METHOD 524.2 (GC/MS)									
tert-Amyl alcohol (TAA)	ND	ug/L	10.0	1	03/29/18	03/29/18 13:54	WB		
tert-Amyl methyl ether (TAME)	0.74	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB		
Benzene	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB		
Bromobenzene	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB		
Bromochloromethane	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB		
Bromodichloromethane	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB		
Bromoform	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB		
Bromomethane	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB		
tert-Butanol (TBA)	ND	ug/L	10.0	1	03/29/18	03/29/18 13:54	WB		
n-Butylbenzene	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB		
sec-Butylbenzene	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB		
tert-Butylbenzene	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB		
Carbon tetrachloride	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB		
Chlorobenzene	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB		
Chloroethane	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB		
Chloroform	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB		
Chloromethane	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB		
2-Chlorotoluene	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB		
4-Chlorotoluene	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB		
Dibromochloromethane	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB		
1,2-Dibromo-3-chloropropane	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB		
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB		
Dibromomethane	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB		
1,2-Dichlorobenzene	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB		
1,3-Dichlorobenzene	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB		
1,4-Dichlorobenzene	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB		
Dichlorodifluoromethane	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB		
1,1-Dichloroethane	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB		
1,2-Dichloroethane	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB		
1,1-Dichloroethene	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB		
cis-1,2-Dichloroethene	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB		
trans-1,2-Dichloroethene	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB		
1,2-Dichloropropane	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB		
1,3-Dichloropropane	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB		
2,2-Dichloropropane	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB		
1,1-Dichloropropene	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB		
cis-1,3-Dichloropropene	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB		
trans-1,3-Dichloropropene	ND	ug/L	0.50	1	03/29/18	03/29/18 13:54	WB		

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Will Brewington, President

Analytical Results

Project: Jacks Landing

Project Number: E053327
Project Manager: Stephen Shelley

Reported:
04/03/18 11:25

E053327-02 (Lot 8 Well 2)
Jacks Landing
8032902-02 (Drinking Water)
Sample Date: 03/27/18

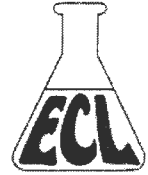
Analyte	Result	Units	Reporting			Prepared	Analyzed	Analyst	Notes
			Limit	Dilution					
VOLATILE ORGANICS BY EPA METHOD 524.2 (GC/MS) (continued)									
Diisopropyl ether (DIPE)	ND	ug/L	0.50	1		03/29/18	03/29/18 13:54	WB	
Ethyl tert-butyl ether (ETBE)	ND	ug/L	0.50	1		03/29/18	03/29/18 13:54	WB	
Ethylbenzene	ND	ug/L	0.50	1		03/29/18	03/29/18 13:54	WB	
Hexachlorobutadiene	ND	ug/L	0.50	1		03/29/18	03/29/18 13:54	WB	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		03/29/18	03/29/18 13:54	WB	
4-Isopropyltoluene	ND	ug/L	0.50	1		03/29/18	03/29/18 13:54	WB	
Methyl tert-butyl ether (MTBE)	4.95	ug/L	0.50	1		03/29/18	03/29/18 13:54	WB	
Methylene chloride	ND	ug/L	0.50	1		03/29/18	03/29/18 13:54	WB	
Naphthalene	ND	ug/L	0.50	1		03/29/18	03/29/18 13:54	WB	
n-Propylbenzene	ND	ug/L	0.50	1		03/29/18	03/29/18 13:54	WB	
Styrene	ND	ug/L	0.50	1		03/29/18	03/29/18 13:54	WB	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		03/29/18	03/29/18 13:54	WB	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		03/29/18	03/29/18 13:54	WB	
Tetrachloroethene	ND	ug/L	0.50	1		03/29/18	03/29/18 13:54	WB	
Toluene	ND	ug/L	0.50	1		03/29/18	03/29/18 13:54	WB	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		03/29/18	03/29/18 13:54	WB	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		03/29/18	03/29/18 13:54	WB	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		03/29/18	03/29/18 13:54	WB	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		03/29/18	03/29/18 13:54	WB	
Trichloroethene	ND	ug/L	0.50	1		03/29/18	03/29/18 13:54	WB	
Trichlorofluoromethane (Freon 11)	ND	ug/L	0.50	1		03/29/18	03/29/18 13:54	WB	
1,2,3-Trichloropropane	ND	ug/L	0.50	1		03/29/18	03/29/18 13:54	WB	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		03/29/18	03/29/18 13:54	WB	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		03/29/18	03/29/18 13:54	WB	
Vinyl chloride	ND	ug/L	0.50	1		03/29/18	03/29/18 13:54	WB	
o-Xylene	ND	ug/L	0.50	1		03/29/18	03/29/18 13:54	WB	
m- & p-Xylenes	ND	ug/L	0.50	1		03/29/18	03/29/18 13:54	WB	
Surrogate: 4-Bromofluorobenzene		80-120	92 %			03/29/18	03/29/18 13:54		
Surrogate: 1,2-Dichlorobenzene-d4		80-120	94 %			03/29/18	03/29/18 13:54		



Will Brewington, President

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

ENVIRO-CHEM LABORATORIES, INC.



47 Loveton Circle, Suite K • Sparks, Maryland 21152

410-472-1112

FINAL REPORT OF ANALYSIS

Michael Barlow Well Drilling
522 Underwood Lane
Bel Air, MD 21014

Report Date: 04/10/2018
Report Number: 180410111354

LAB#- E053327-02 SAMPLE ID- Lot 8 Well 2 WELL #
LOCATION- Well Head SAMPLER- 8862 MI
DATE SAMPLED- 03/27/2018 TIME SAMPLED- 16:30 Residual Chlorine- <0.05 mg/L
DATE RECEIVED- 03/28/2018 TIME RECEIVED- 15:45
DELIVERED BY- B Johnston RECEIVED BY- Ginny Shelley
COMMENTS-

COMMENTS-

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT	DATA FLAG
Total Metals by EPA 200.7 by Enviro-Chem					
\$ Sodium	EPA 200.7	03/30/18 13:06	RAS	18.6	mg/L
Wet Chemistry by Enviro-Chem					
\$ Chloride	EPA 300.0	03/28/18 22:26	WND	84.0	mg/L
\$ Dissolved Solids	SM 2540C	04/02/18 12:00	SES	334	mg/L

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



Certificate of Analysis

HOWARD CO ENVIRONMENTAL HLTH
 8930 STANFORD BLVD
 COLUMBIA, MD 21045

Lab. No: E18003497001

Method: EPA 524.2 VOCs and THMs

Date Received: 03/28/2018
 Field ID: 0240SC-AB

Date Collected: 03/27/2018
 Submitted By: S. COLLINS

Date Analyzed: 04/04/2018

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>	<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
REGULATED							
1,1,1-Trichloroethane	0.5	200	ND	2-Chlorotoluene	0.5		ND
1,1,2-Trichloroethane	0.5	5	ND	4-Chlorotoluene	0.5		ND
1,1-Dichloroethane	0.5	7	ND	Bromobenzene	0.5		ND
1,2,4-Trichlorobenzene	0.5	70	ND	Bromochloromethane	0.5		ND
1,2-Dichlorobenzene	0.5	600	ND	Bromomethane	0.5		ND
1,2-Dichloroethane	0.5	5	ND	Chloroethane	0.5		ND
1,2-Dichloropropane	0.5	5	ND	Chloromethane	0.5		ND
1,4-Dichlorobenzene	0.5	75	ND	cis-1,3-Dichloropropene	0.5		ND
Benzene	0.5	5	ND	Dibromomethane	0.5		ND
Carbon Tetrachloride	0.5	5	ND	Dichlorodifluoromethane	0.5		ND
Chlorobenzene	0.5	100	ND	Ethyl-tert-Butyl Ether (ETBE)	0.5		ND
cis-1,2-Dichloroethane	0.5	70	ND	Hexachlorobutadiene	0.5		ND
Ethylbenzene	0.5	700	ND	Isopropylbenzene	0.5		ND
m+p-Xylene	1.0		ND	Methyl-tert-Butyl Ether (MTBE)	0.5		5.85
Methylene Chloride	0.5	5	ND	Naphthalene	0.5		ND
o-Xylene	0.5		ND	n-Butylbenzene	0.5		ND
Styrene	0.5	100	ND	n-Propylbenzene	0.5		ND
Tetrachloroethene	0.5	5	ND	p-Isopropyltoluene	0.5		ND
Toluene	0.5	1000	2.33	sec-Butylbenzene	0.5		ND
Total Xylenes	1.5	10000	ND	tert-Amyl Methyl Ether (TAME)	0.5		0.76
trans-1,2-Dichloroethene	0.5	100	ND	tert-Butylbenzene	0.5		ND
Trichloroethene	0.5	5	ND	trans-1,3-Dichloropropene	0.5		ND
Vinyl Chloride	0.5	2	ND	Trichlorofluoromethane	0.5		ND
TRihalOMETHANES							
Bromodichloromethane	0.5		ND				
Bromoform	0.5		ND				
Chloroform	0.5		ND				
Dibromochloromethane	0.5		ND				
TOTAL THMs		80	0.00				
UNREGULATED							
1,1,1,2-Tetrachloroethane	0.5		ND				
1,1,1,2,2-Tetrachloroethane	0.5		ND				
1,1-Dichloroethane	0.5		ND				
1,1-Dichloropropene	0.5		ND				
1,2,3-Trichlorobenzene	0.5		ND				
1,2,3-Trichloropropane	0.5		ND				
1,2,4-Trimethylbenzene	0.5		ND				
1,2-Dibromo-3-Chloropropane	0.5		ND				
1,2-Dibromoethane	0.5		ND				
1,3,5-Trimethylbenzene	0.5		ND				
1,3-Dichlorobenzene	0.5		ND				
1,3-Dichloropropane	0.5		ND				
2,2-Dichloropropane	0.5		ND				

Comments:

Approved by: Sadia Muneer Approval date: 04/10/2018

*All results are in parts per billion ppb); ND = Less than the detection level; na = not applicable; e = estimate

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Telephone: (443) 681-3853 Fax: (443) 681-4507



Certificate of Analysis

HOWARD CO ENVIRONMENTAL HLTH
8930 STANFORD BLVD
COLUMBIA, MD 21045

Lab. No: E18003497002

Method: EPA 524.2 VOCs and THMs

Date Received: 03/28/2018
Field ID: 0240SCFB12

Date Collected: 03/27/2018
Submitted By: S. COLLINS

Date Analyzed: 04/05/2018

<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>	<u>Contaminant</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>
REGULATED							
1,1,1-Trichloroethane	0.5	200	ND	2-Chlorotoluene	0.5		ND
1,1,2-Trichloroethane	0.5	5	ND	4-Chlorotoluene	0.5		ND
1,1-Dichloroethane	0.5	7	ND	Bromobenzene	0.5		ND
1,2,4-Trichlorobenzene	0.5	70	ND	Bromochloromethane	0.5		ND
1,2-Dichlorobenzene	0.5	600	ND	Bromomethane	0.5		ND
1,2-Dichloroethane	0.5	5	ND	Chloroethane	0.5		ND
1,2-Dichloropropane	0.5	5	ND	Chloromethane	0.5		ND
1,4-Dichlorobenzene	0.5	75	ND	cis-1,3-Dichloropropene	0.5		ND
Benzene	0.5	5	ND	Dibromomethane	0.5		ND
Carbon Tetrachloride	0.5	5	ND	Dichlorodifluoromethane	0.5		ND
Chlorobenzene	0.5	100	ND	Ethyl-tert-Butyl Ether (ETBE)	0.5		ND
cis-1,2-Dichloroethane	0.5	70	ND	Hexachlorobutadiene	0.5		ND
Ethylbenzene	0.5	700	ND	Isopropylbenzene	0.5		ND
m+p-Xylene	1.0		ND	Methyl-tert-Butyl Ether (MTBE)	0.5		ND
Methylene Chloride	0.5	5	0.63	Naphthalene	0.5		ND
o-Xylene	0.5		ND	n-Butylbenzene	0.5		ND
Styrene	0.5	100	ND	n-Propylbenzene	0.5		ND
Tetrachloroethane	0.5	5	ND	p-Isopropyltoluene	0.5		ND
Toluene	0.5	1000	ND	sec-Butylbenzene	0.5		ND
Total Xylenes	1.5	10000	ND	tert-Amyl Methyl Ether (TAME)	0.5		ND
trans-1,2-Dichloroethane	0.5	100	ND	tert-Butylbenzene	0.5		ND
Trichloroethane	0.5	5	ND	trans-1,3-Dichloropropene	0.5		ND
Vinyl Chloride	0.5	2	ND	Trichlorofluoromethane	0.5		ND
TRIHALOMETHANES							
Bromodichloromethane	0.5		ND				
Bromoform	0.5		ND				
Chloroform	0.5		ND				
Dibromochloromethane	0.5		ND				
TOTAL THMs		80	0.00				
UNREGULATED							
1,1,1,2-Tetrachloroethane	0.5		ND				
1,1,1,2,2-Tetrachloroethane	0.5		ND				
1,1-Dichloroethane	0.5		ND				
1,1-Dichloropropene	0.5		ND				
1,2,3-Trichlorobenzene	0.5		ND				
1,2,3-Trichloropropane	0.5		ND				
1,2,4-Trimethylbenzene	0.5		ND				
1,2-Dibromo-3-Chloropropane	0.5		ND				
1,2-Dibromoethane	0.5		ND				
1,3,5-Trimethylbenzene	0.5		ND				
1,3-Dichlorobenzene	0.5		ND				
1,3-Dichloropropane	0.5		ND				
2,2-Dichloropropane	0.5		ND				

Comments:

Approved by:

Approval date:

Sadia Muneer

04/10/2018

*All results are in parts per billion ppb); ND = Less than the detection level; na = not applicable; e = estimate

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Telephone: (443) 681-3853 Fax: (443) 681-4507

Send Report to: Bert Brown

Howard County Health Dept
Bureau of Environmental Health
8930 Stanford Blvd
Columbia, MD 21045

State of Maryland
DHMH - Laboratories Administration
Division of Environmental Chemistry
ORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue
BALTIMORE, MARYLAND 21205

Temperature Blank: 4.5 °C

LABORATORY ANALYSIS REQUEST FORM

Please write legibly

Bottle No.: 0240SC-A
0240SC-B Plant/Site Name: Jack's Landing County: Howard

Location: 0240SC (well B) Sample Source: Triadelphia Mill Rd. Dayton
Street Town or City

Collector/ID: S. Collins / 3406 SC Phone No.: 410-313-6287

County: 013

System No. [] [] [] []

PWSID [] [] [] [] [] [] [] []

Plant No. [] []

Date Collected: 3/27/2018

Time Collected: 2 am/pm

Field Data: pH 6.5 Free Cl: 0 Total Cl: 0

Sample Type: Drinking water Landfill Source (water) Oil
 Private Stream Distribution (treated) Solid
 Community Soil/Sediment Water Treatment Plant POE Other
 Non-Community

Specify Program: SDWA NPDES RCRA CWA CERCLA Consumer Products
 Other

Test Requested	Field & Trip Blank	Preservative Used	Comment
<input type="checkbox"/> EPA Method 504.1 (EDB/DBCP)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 508 [Aroclors (SCAN only) & Toxaphene]	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.3 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 515.4 (Herbicides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 525.2 (Pesticides)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> HCL (6N) <input type="checkbox"/> Sodium sulfite	
<input type="checkbox"/> EPA Method 531.2 (Carbamates)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Potassium Citrate monobasic <input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 552.2 (Haloacetic acids)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Ammonium chloride	
<input type="checkbox"/> EPA Method 8270 (Semi-Volatiles) <input type="checkbox"/> Pesticides <input type="checkbox"/> Aroclors	<input type="checkbox"/> Field Blank	<input type="checkbox"/> Sodium thiosulfate	
<input type="checkbox"/> EPA Method 524.2 (Volatiles) <input type="checkbox"/> VOCs <input type="checkbox"/> THMs	<input type="checkbox"/> Field Blank <input type="checkbox"/> Trip Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid <input type="checkbox"/> Sodium thiosulfate	FB-1 0240SC FB-1 FB-2 0240SC FB-2 T H0170239 T
<input type="checkbox"/> EPA Method 8260 (VOCs)	<input type="checkbox"/> Field Blank	<input type="checkbox"/> 1:1 HCL <input type="checkbox"/> 1:1 HCL + Ascorbic acid	

E18003497001
Received: 03/28/2018 EPA 524.2
Trace Organics 0240SC-AB

E18003497002
Received: 03/28/2018 EPA 524.2
Trace Organics 0240SCFB12

E18003497003
Received: 03/28/2018 EPA 524.2
Trace Organics H0170239T



State of Maryland
Department of Health
Laboratories Administration
Division of Environmental Sciences
INORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue, Baltimore, Maryland 21205
Robert Myers, Ph.D., Director



Certificate of Analysis

HOWARD CO ENVIRONMENTAL HLTH
8930 STANFORD BLVD
COLUMBIA, MD 21045

Lab Project No E18003490 Date Coll. 03/27/2018 Date Received 03/28/2018 Submitted By: S. Collins

Field ID: 0240 SC
Lab No.: E18003490002

<u>Analyte</u>	<u>Method</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>
Chloride	SM 4500-Cl E	124	mg/L	03/30/2018
Total Dissolved Solids	SM 2540C	344	mg/L	03/29/2018

Comments:

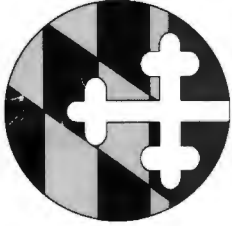
Approved by: _____

Shabbar Aneli

Approval date: 04/04/2018

*The following methods are included in our A2LA Scope of Accreditation: EPA150.1, EPA 353.2, EPA 375.2, SM4500F C, SM 4500-CN G & QCM-CN, QCM-CN.

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State of Maryland
Department of Health
Laboratories Administration
Division of Environmental Sciences
TRACE METALS LABORATORY
1770 Ashland Avenue, Baltimore, Maryland 21205
Robert Myers, Ph.D., Director



Certificate of Analysis

HOWARD CO ENVIRONMENTAL HLTH
8930 STANFORD BLVD
COLUMBIA, MD 21045

Lab Project No: E18003491 Date Coll.: 03/27/2018 Date Received: 03/28/2018 Submitted By: Collins

Field ID: 0240SC
Lab No.: E18003491001

<u>Method</u>	<u>Element</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>
EPA 200.7	Iron	20.81	ppm	04/02/2018
EPA 200.7	Sodium	20.82	ppm	04/02/2018

Comments:

Approved by: Yingtao Choi

Approval date: 04/05/2018

**The following methods are included in our A2LA Scope of Accreditation: EPA 200.7, EPA 200.8, EPA 245.1.

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Send Report To: Bert Nixon

Howard County Health Dept
Bureau of Environmental Health
8930 Stanford Blvd
Columbia, MD 21045

State of Maryland
DHMH - Laboratories Administration

Division of Environmental Sciences
TRACE METALS LABORATORY

1770 Ashland Avenue
Baltimore, Maryland 21205



E18003491001

Received: 03/28/2018

Metals

0240SC

LABORATORY ANALYSIS REQUEST

Do not write above this line

Please Print

Sample ID No: 0240SC Site Name: Jacks Landing - Lot B County: Howard

Sample Source: Triadelphia Mill Rd Dayton Collector: S. Collins
Street Town or City Name

Date Collected: 3/27/2018 Time Collected: 2 a.m. / PM Phone #: 410-313-6287
PS: 03-28-18

Sample Preserved By: Field ESRL WMRL Central Lab

Preservative Used: HNO₃ mL pH: < 2

Sample Type: Drinking Water Landfill Source (Raw Water) Liquid
Data Category: Community Stream Distribution (Treated) Solid
Code: Non-Community Sediment Other
4F Private

Specify Program: SDWA NPDES CWA RCRA Consumer Products Other

Type of Sample Preparation: Total Metals Total Metals TCLP Dissolved Metals
(field preparation required)

Remarks: field test - well B

✓	Element	Lab Use	✓	Element	Lab Use	✓	Element	Lab Use
	Antimony (Sb)			Aluminum (Al)			Uranium (U)	
	Arsenic (As)			Calcium (Ca)			Vanadium (V)	
	Barium (Ba)			Cobalt (Co)			Zinc (Zn)	
	Beryllium (Be)			Copper (Cu)				
	Cadmium (Cd)		✓	Iron (Fe)	SHS			
	Chromium (Cr)			Lead (Pb)				
	Mercury (Hg)			Magnesium (Mg)				
	Nickel (Ni)			Manganese (Mn)				
	Selenium (Se)			Molybdenum (Mo)				
✓	Sodium (Na)	SHS		Potassium (K)				
	Thallium (Tl)			Silver (Ag)				

Lab Supervisor: _____ Date Reported: ___/___/___

•Phone: (443) 681 - 4596

•Fax: (443) 681 - 4507



Bureau of Environmental Health
8930 Stanford Blvd | Columbia, MD 21045
410.313.2640 - Voice/Relay
410.313.2648 - Fax
1.866.313.6300 - Toll Free

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

INTERIM CERTIFICATE OF POTABILITY

Expiration Date – June 18, 2024

December 18, 2023

Homeowner
5509 Jacks Landing Way
Clarksville, MD 21029

RE: Jacks Landing, Lot 8
5509 Jacks Landing Way
Building Permit: B21003758
Well Permit: HO-17-0240, HO-18-0008

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 **12/7/2023**. Final approval of the well line connection to the dwelling was granted on **12/18/2023**. The well construction was completed on **3/26/2018**. Water samples were collected on **11/20/2020**.

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. 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-17-0240, 18-0008. 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 Maryland certified water 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>



Bureau of Environmental Health
8930 Stanford Blvd | Columbia, MD 21045
410.313.2640 - Voice/Relay
410.313.2648 - Fax
1.866.313.6300 - Toll Free

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

In closing, please refer to our "[Homeowner Fact Sheet](#)" which illustrates a better understanding for your Onsite Sewage Disposal System. You will also find a link to Maryland Department of the Environment's website which describes in further detail operation and maintenance of your septic system.

Approving Authority,

A handwritten signature in black ink, appearing to read 'Kevin M. Wolf', is written over a light blue horizontal line.

Kevin M. Wolf, LEHS, R.S./REHS, Supervisor
Groundwater Management Section
Well & Septic Program

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