

C1 36441	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 <u>12</u> DD <u>21</u> YY <u>15</u>	DATE WELL COMPLETED MM <u>12</u> DD <u>11</u> YY <u>2015</u>	Depth of Well 22 <u>360</u> 26 (TO NEAREST FOOT)	PERMIT NO. FROM "PERMIT TO DRILL WELL" OK <u>12/20/15 SC</u> <u>Ho-15-0179</u>																																
OWNER <u>Greenleaf Builders</u> WELL SITE ADDRESS <u>11955 Lime Kiln Rd</u> TOWN <u>Fulton</u> SUBDIVISION <u>Simple Property</u> SECTION LOT																																			
WELL LOG Not required for driven wells STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">DESCRIPTION (Use additional sheets if needed)</th> <th colspan="2">FEET</th> <th rowspan="2">check if water bearing</th> </tr> <tr> <th>FROM</th> <th>TO</th> </tr> </thead> <tbody> <tr> <td>Sand</td> <td>0</td> <td>69</td> <td>✓</td> </tr> <tr> <td>mica</td> <td>69</td> <td>360</td> <td>✓</td> </tr> <tr> <td colspan="4">Water 40, 180, 250'</td> </tr> <tr> <td colspan="4">26 bags = 3.7 bags/10'</td> </tr> </tbody> </table>		DESCRIPTION (Use additional sheets if needed)	FEET		check if water bearing	FROM	TO	Sand	0	69	✓	mica	69	360	✓	Water 40, 180, 250'				26 bags = 3.7 bags/10'				GROUTING RECORD WELL HAS BEEN GROUTED (Circle Appropriate Box) yes ☒ no ☐ TYPE OF GROUTING MATERIAL (Circle one) CEMENT ☒ BENTONITE CLAY ☐ NO. OF BAGS <u>26</u> NO. OF POUNDS <u>2444</u> GALLONS OF WATER <u>150</u> DEPTH OF GROUT SEAL (to nearest foot) from <u>0</u> ft. to <u>70</u> ft. (enter 0 if from surface) CASING RECORD casing types insert appropriate code below <table style="width:100%;"> <tr> <td>☒ STEEL</td> <td>☐ CONCRETE</td> </tr> <tr> <td>☐ PLASTIC</td> <td>☐ OTHER</td> </tr> </table> <table style="width:100%;"> <tr> <td>MAIN CASING TYPE <u>ST</u></td> <td>Nominal diameter top (main) casing (nearest inch) <u>6</u></td> <td>Total depth of main casing (nearest foot) <u>72</u></td> </tr> <tr> <td>60 61</td> <td>63 64</td> <td>66 67 70</td> </tr> </table> OTHER CASING (if used) diameter inch depth (feet) from to EACH CASING		☒ STEEL	☐ CONCRETE	☐ PLASTIC	☐ OTHER	MAIN CASING TYPE <u>ST</u>	Nominal diameter top (main) casing (nearest inch) <u>6</u>	Total depth of main casing (nearest foot) <u>72</u>	60 61	63 64	66 67 70
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NUMBER OF UNSUCCESSFUL WELLS: <u>0</u> WELL HYDROFRACTURED yes ☒ no ☐ 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.		PUMPING TEST HOURS PUMPED (nearest hour) <u>3</u> PUMPING RATE (gal. per min.) <u>5</u> METHOD USED TO MEASURE PUMPING RATE <u>Bucket</u> WATER LEVEL (distance from land surface) BEFORE PUMPING <u>21</u> ft. WHEN PUMPING <u>242</u> ft. TYPE OF PUMP USED (for test) A air P piston T turbine C centrifugal R rotary O other (describe below) J jet S submersible																																	
DRILLERS LIC. NO. <u>MSD024</u> DRILLERS SIGNATURE <u>[Signature]</u> (MUST MATCH SIGNATURE ON APPLICATION) LIC. NO. <u>MSD027</u> SITE SUPERVISOR (sign of driller or journeyman responsible for sitework if different from permittee)		PUMP INSTALLED DRILLER INSTALLED PUMP (CIRCLE) (YES or NO) 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 <u>29</u> CAPACITY: GALLONS PER MINUTE (to nearest gallon) <u>31</u> <u>36</u> PUMP HORSE POWER <u>37</u> <u>41</u> PUMP COLUMN LENGTH (nearest ft.) <u>43</u> <u>47</u> CASING HEIGHT (circle appropriate box and enter casing height) + above } LAND SURFACE - below } <u>1</u> (nearest foot) LATITUDE <u>39.151024</u> LONGITUDE <u>76.924190</u> (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.																																	

B 1 1 2 3 6 <u>29596</u>	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL <u>557403</u> please type	STATE PERMIT NUMBER <u>H0 - 15 - 0179</u> fill in this form completely
Date Received (APA) <u>10/06/15</u> 8 MM DD YY 13 OWNER INFORMATION <u>Greenleaf Builders</u> 15 Last Name Owner First Name 34 <u>1601 Jackson St.</u> 36 Street or RFD 55 <u>Baltimore md 21230</u> 57 Town 70 State 72 Zip 76		B 3 LOCATION OF WELL <u>Howard</u> 8 COUNTY 21 <u>Singh Property</u> 23 SUBDIVISION 42 SECTION <u>44</u> 46 LOT <u>48</u> 50 <u>Fulton</u> 52 NEAREST TOWN 71	
DRILLER INFORMATION Driller's Name <u>Joseph L. Maupre</u> M S D <u>024</u> 76 License No. 81 <u>Joseph L. Maupre Well Drilling</u> Firm Name <u>5512 Ridge Rd Mt Airy Md 21771</u> Address <u>Joseph L. Maupre 9-30-15</u> Signature Date		B 4 SOURCES OF DRILLING WATER 1. <u>well</u> 2. 3. <u>11855 Line Kiln Rd</u> 11 STREET ADDRESS 30 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) 34 <u>20</u> 37 DISTANCE FROM ROAD ENTER FT OR MI <u>FT</u> TAX MAP: <u>46</u> BLK: <u>1</u> PARCEL: <u>182</u>	
B 2 WELL INFORMATION 1 2 APPROX. PUMPING RATE <u>4</u> (GAL PER MIN.) 8 12 AVERAGE DAILY QUANTITY NEEDED <u>500</u> (GAL PER DAY) 14 20		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL <u>Howard</u> <u>(13)</u> COUNTY NAME COUNTY NO. STATE SIGNATURE INSERT S → 41 DATE ISSUED <u>11/17/15</u> <u>Sab Cll</u> <u>11/17/16</u> 43 MM DD YY 48 CO SIGNATURE EXP. DATE	
USE FOR WATER (CIRCLE APPROPRIATE BOX) ☒ D DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION ☐ F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) 22 ☐ I INDUSTRIAL, COMMERCIAL, DEWATERING ☐ P PUBLIC WATER SUPPLY WELL ☐ T TEST, OBSERVATION, MONITORING ☐ O OPEN LOOP GEOTHERMAL ☐ C CLOSED LOOP GEOTHERMAL		PROPOSED LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURES SUCH AS BUILDINGS, SEPTIC SYSTEM, ROADS AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCE MEASUREMENTS TO WELL 	
APPROXIMATE DEPTH OF WELL <u>300</u> FEET 24 28 APPROXIMATE DIAMETER OF WELL <u>6</u> INCH METHOD OF DRILLING (circle one) BORED (or Augered) <u>JETTED</u> Jetted & DRIVEN 30 <u>AIR-ROTARY</u> AIR-PERCussion ROTARY (Hydraulic Rotary) 37 <u>CABLE</u> REVERSE-ROTARY Drive-POINT other _____		REPLACEMENT OR DEEPEENED WELLS (CIRCLE APPROPRIATE BOX) ☒ N THIS WELL WILL NOT REPLACE AN EXISTING WELL ☐ Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED 39 ☐ S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS ☐ D THIS WELL WILL DEEPEEN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEENED (IF AVAILABLE) 41 _____ 52	
Not to be filled in by driller (MDE OR COUNTY USE ONLY) APPROP. PERMIT NUMBER _____ <u>G</u> _____ PERMIT No. <u>H0 - 15 - 0179</u> 70 71 72 73 74 75 76 77 78 79			
SPECIAL CONDITIONS NOTE: APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED. <u>Existing well must be abandoned.</u>			

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 15-0179
Location of property (road) 11855 Lorne Kilm Rd
Subdivision Single Property Lot Block Plat Sec.
Well Driller Ralph Mairle Owner Greenleaf Building

Depth of well 360'
Distance of measuring point (H.P.) above ground 1'
Static water level (S.W.L.) below H.P. 21'

1. High rate pumping -- reservoir drawdown

Time pump started 8:00 Pumping rate 90
Total time 30 min to reach pumping water level 242 ft. below H.P.

II. Recovery pump test data - observations to be recorded every 15 minutes

[illegible]

MARYLAND DEPARTMENT OF THE ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION
1800 Washington Blvd., Baltimore, Maryland 21230 (410) 537-3784

WATER WELL ABANDONMENT-SEALING REPORT FORM

SUBMIT COPIES OF COMPLETED FORM TO:

- * COUNTY ENVIRONMENTAL AGENCY (contact MDE, WMA if address needed)
- * WELL OWNER
- * MDE, WATER MANAGEMENT ADMINISTRATION, WELL PROGRAM

OK
12/20/15 SC

DATE WELL ABANDONED: 12-11-2015 (month/day/year)

* PERMIT NUMBER OF ABANDONED WELL (if any) none

* PERMIT NUMBER OF REPLACEMENT WELL: HO-15-0179

* PERSON ABANDONING WELL: Joseph Mayne

WELL DRILLER'S LICENSE NUMBER: MWD024

CIRCLE: MWD / MSD / MGD

* OWNER'S NAME: Greenleaf Builders

* WELL LOCATION:

COUNTY: Howard

NEAREST TOWN: Fulton

TAX MAP 46 BLOCK 1 PARCEL 182

SUBDIVISION: Singh Property

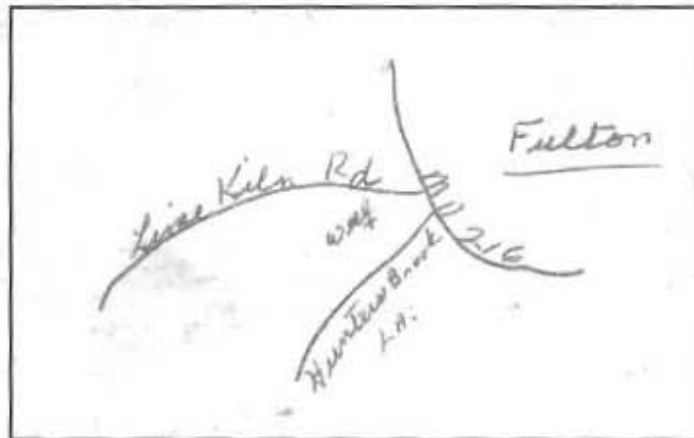
SECTION: LOT:

STREET ADDRESS: 11855 Lime Kiln Rd

LATITUDE 39.150907

LONGITUDE 76.924314

SITE LOCATION MAP



* TYPE OF WELL BEING ABANDONED:

- ☒ DRILLED ☐ JETTED
- ☐ BORED ☐ HAND DUG
- ☐ OTHER (specify) _____

* USE CODE:

- ☒ DOMESTIC ☐ MUNICIPAL/PUBLIC
- ☐ IRRIGATION ☐ INDUSTRIAL
- ☐ TEST/OBSERVATION ☐ GEOTHERMAL

* TYPE OF CASING:

- ☒ STEEL ☐ PLASTIC
- ☐ CONCRETE ☐ OTHER (specify) _____

SIZE OF CASING: 6 3/4 INCHES IN DIAMETER

DEPTH OF WELL: 60 FEET DEEP

WAS ANY CASING REMOVED? YES ☒ NO

If yes, length removed, in feet: _____

WAS CASING RIPPED OR PERFORATED? YES ☒ NO

LOG OF SEALING MATERIAL

MATERIAL	FEET	
	FROM	TO
<u>Cement & gravel mixed</u>	<u>0</u>	<u>60</u>
VOLUME OF MATERIAL USED		

SIGNATURE-MASTER WELL DRILLER OR SUPERVISING SANITARIAN LICENSE# Joseph Mayne

MWD024 MWD / MSD / MGS

CIRCLE ONE

12-15-2015 *

DATE

COUNTY



State of Maryland
DHMH-Laboratories Administration
Division of Environmental Chemistry
ORGANICS 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. No: E16002510001

Method: EPA 524.2 VOCs and THMs

Date Received: 12/21/2015

Date Collected: 12/18/2015

Field ID: H0-15-0179-01/2

Submitted By: S. Collins

Date Analyzed: 12/23/2015

Contaminant	RL	MCL	Result	Contaminant	RL	MCL	Result
REGULATED				2-Chlorotoluene	0.5		ND
1,1,1-Trichloroethane	0.5	200	ND	4-Chlorotoluene	0.5		ND
1,1,2-Trichloroethane	0.5	5	ND	Bromobenzene	0.5		ND
1,1-Dichloroethene	0.5	7	ND	Bromochloromethane	0.5		ND
1,2,4-Trichlorobenzene	0.5	70	ND	Bromomethane	0.5		ND
1,2-Dichlorobenzene	0.5	600	ND	Chloroethane	0.5		ND
1,2-Dichloroethane	0.5	5	ND	Chloromethane	0.5		ND
1,2-Dichloropropane	0.5	5	ND	cis-1,3-Dichloropropene	0.5		ND
1,4-Dichlorobenzene	0.5	75	ND	Dibromomethane	0.5		ND
Benzene	0.5	5	ND	Dichlorodifluoromethane	0.5		ND
Carbon Tetrachloride	0.5	5	ND	Ethyl-tert-Butyl Ether (ETBE)	0.5		ND
Chlorobenzene	0.5	100	ND	Hexachlorobutadiene	0.5		ND
cis-1,2-Dichloroethene	0.5	70	ND	Isopropylbenzene	0.5		ND
Ethylbenzene	0.5	700	ND	Methyl-tert-Butyl Ether (MTBE)	0.5		ND
m+p-Xylene	1.0		ND	Naphthalene	0.5		ND
Methylene Chloride	0.5	5	ND	n-Butylbenzene	0.5		ND
o-Xylene	0.5		ND	n-Propylbenzene	0.5		ND
Styrene	0.5	100	ND	p-Isopropyltoluene	0.5		ND
Tetrachloroethene	0.5	5	ND	sec-Butylbenzene	0.5		ND
Toluene	0.5	1000	ND	tert-Amyl Methyl Ether (TAME)	0.5		ND
Total Xylenes	1.5	10000	ND	tert-Butylbenzene	0.5		ND
trans-1,2-Dichloroethene	0.5	100	ND	trans-1,3-Dichloropropene	0.5		ND
Trichloroethene	0.5	5	ND	Trichlorofluoromethane	0.5		ND
Vinyl Chloride	0.5	2	ND				
TRIALOMETHANES							
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				
1,1,2,2-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				
1,2-Dichloropropane	0.5		ND				

Comments:

Approved by:

Approval date:

Sadia Akbar

12/29/2015

*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

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State of Maryland
DHMH-Laboratories Administration
Division of Environmental Chemistry
ORGANICS 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. No: E16002510002

Method: EPA 524.2 VOCs and THMs

Date Received: 12/21/2015
Field ID: H0-15-0179FB

Date Collected: 12/18/2015
Submitted By: S. Collins

Date Analyzed: 12/23/2015

Contaminant	RL	MCL	Result	Contaminant	RL	MCL	Result
REGULATED				2-Chlorotoluene	0.5		ND
1,1,1-Trichloroethane	0.5	200	ND	4-Chlorotoluene	0.5		ND
1,1,2-Trichloroethane	0.5	5	ND	Bromobenzene	0.5		ND
1,1-Dichloroethene	0.5	7	ND	Bromochloromethane	0.5		ND
1,2,4-Trichlorobenzene	0.5	70	ND	Bromomethane	0.5		ND
1,2-Dichlorobenzene	0.5	600	ND	Chloroethane	0.5		ND
1,2-Dichloroethane	0.5	5	ND	Chloromethane	0.5		ND
1,2-Dichloropropane	0.5	5	ND	cis-1,3-Dichloropropene	0.5		ND
1,4-Dichlorobenzene	0.5	75	ND	Dibromomethane	0.5		ND
Benzene	0.5	5	ND	Dichlorodifluoromethane	0.5		ND
Carbon Tetrachloride	0.5	5	ND	Ethyl-tert-Butyl Ether (ETBE)	0.5		ND
Chlorobenzene	0.5	100	ND	Hexachlorobutadiene	0.5		ND
cis-1,2-Dichloroethene	0.5	70	ND	Isopropylbenzene	0.5		ND
Ethylbenzene	0.5	700	ND	Methyl-tert-Butyl Ether (MTBE)	0.5		ND
m+p-Xylene	1.0		ND	Naphthalene	0.5		ND
Methylene Chloride	0.5	5	ND	n-Butylbenzene	0.5		ND
o-Xylene	0.5		ND	n-Propylbenzene	0.5		ND
Styrene	0.5	100	ND	p-Isopropyltoluene	0.5		ND
Tetrachloroethene	0.5	5	ND	sec-Butylbenzene	0.5		ND
Toluene	0.5	1000	ND	tert-Amyl Methyl Ether (TAME)	0.5		ND
Total Xylenes	1.5	10000	ND	tert-Butylbenzene	0.5		ND
trans-1,2-Dichloroethene	0.5	100	ND	trans-1,3-Dichloropropene	0.5		ND
Trichloroethene	0.5	5	ND	Trichlorofluoromethane	0.5		ND
Vinyl Chloride	0.5	2	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				
1,1,2,2-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 Ahmed

12/29/2015

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

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Certificate of Analysis

HOWARD CO ENVIRONMENTAL HLTH
8930 STANFORD BLVD
COLUMBIA, MD 21045

Lab. No: E16002510003

Method: EPA 524.2 VOCs and THMs

Date Received: 12/21/2015

Date Collected: 12/18/2015

Field ID: H0-15-0179TB

Submitted By: S. Collins

Date Analyzed: 12/24/2015

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

12/29/2015

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

This document contains confidential health information that is privileged, confidential and exempt from disclosure under law. If you have received this information in error, please call (410) 767-6648 and arrange for return or destruction.

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

S:\EnviroFinal-Organics.rpt

Send Report To: Bert Nixon

Howard Co. Health Dept.
Bureau of Environmental Health
2930 Stanford Blvd.

Columbia MD 21045

State of Maryland
DHMH - Laboratories Administration
Division of Environmental Chemistry
TRACE ORGANICS SECTION
201 W. Preston Street, Baltimore, Maryland 21201
John M. DeBoy, Dr. P.H., Director

Lab No. Date Received

Do not write above this line

LABORATORY ANALYSIS REQUEST

Bottle No: H0-15-0179-1 Plant / Site Name: Singh Property County: Howard
H0-15-0179-2

Sample Source: 11855 Lime Kiln Rd. Location: H0-15-0179
Street Town or City (well no., lab sink, sample tap, etc.)

Sampler ID: 3406SC PWSID: Plant ID:

Collector: S. Collins 410-313-6237
(include telephone number)

Date Collected: 12 / 18 / 2008 Time Collected: a.m. 12 p.m.

Field Preserved: ☒ Yes ☐ No Preservative Used: ☒ 1:1 HCl+Ascorbic acid ☐ Na₂SO₄ ☐ 6 mg NH₄Cl

Sample Type: ☒ Drinking Water ☐ Landfill ☒ Source (Raw Water) ☐ Liquid
☐ Community ☐ Stream ☐ Distribution (Treated) ☐ Solid
☐ Non-Community ☐ Sediment ☐ Water Treatment Plant POE ☐ Other
☐ Private

Specify Program: ☒ SDWA ☐ NPDES ☐ CWA ☐ RCRA ☐ Consumer Products ☐ Other

Test Requested: ☒ Trihalomethanes ☒ Volatiles ☐ Semi-volatiles ☐ Haloacetic Acids

FIELD DATA: 7.0 0.0 0.0
pH Free Cl Total Cl

Field Blank Bottle No.: H0-15-0179-F1
H0-15-0179-F2
Trip Blank Bottle No.: H0-15-0179-T

Remarks: Run full drinking water scan including MTBE

Laboratory Supervisor:

Date Reported: / /

•Phone: (410) 767-4388

•Fax: (410) 225-9318

Form Revised 12/05
DHMH 4362 (01/07)

E16002510001

Received 12/21/2015 EPA 524.2
Trace Organics H0-15-0179-01

E16002510002

Received 12/21/2015 EPA 524.2
Trace Organics H0-15-0179FE

E16002510003

Received 12/21/2015 EPA 524.2
Trace Organics H0-15-0179TE

SUBMITTER'S COPY

Send Report To: Bert Nixon
Howard Co. Health Dept.
Bureau of Environmental Health
2930 Stanford Blvd.
Columbia, MD 21045

State of Maryland
DHMH - Laboratories Administration
Division of Environmental Chemistry
TRACE METALS LABORATORY
1770 Ashland Avenue
Baltimore, Maryland 21205

Lab No. Date Received



E16002507001

Received: 12/21/2015

Metals

HO-15-0179

Do not write above this line

LABORATORY ANALYSIS REQUEST

Please Print

Sample ID No: 110-15-0179 Site Name: Singh Property County: Howard

Sample Source: 11855 Lime Kiln Rd. Fulton Collector: S. Collins
Street Town or City Name

Date Collected: 12/18/2015 Time Collected: 12 a.m. 12 p.m. Phone #: 410-313-6287

Sample Preserved By: ☐ Field ☐ ESRL ☐ WMRL ☐ Central Lab

Preservative Used: ☒ HNO₃ pH < 2 mL pH: _____

Sample Type: ☒ Drinking Water ☐ Landfill ☒ Source (Raw Water) ☐ Liquid

Data Category: ☐ Community ☐ Stream ☐ Distribution (Treated) ☐ Solid

Code ☐ ☐ Non-Community ☐ Sediment ☐ Other _____

☒ 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: _____

✓	Element	Results (ppm)	✓	Element	Results (ppm)
	Antimony (Sb)			Copper (Cu)	
	Arsenic (As)			Lead (Pb)	
	Barium (Ba)			Silver (Ag)	
	Beryllium (Be)			Zinc (Zn)	
	Cadmium (Cd)			Aluminum (Al)	
	Chromium (Cr)			Iron (Fe)	
	Mercury (Hg)			Manganese (Mn)	
	Nickel (Ni)			Calcium (Ca)	
	Selenium (Se)			Magnesium (Mg)	
✓	Sodium (Na) <u>100</u>			Potassium (K)	
	Thallium (Tl)			Uranium (U)	
				Vanadium (V)	

Lab Supervisor: _____

Date Reported: ____/____/____

DHMH 4432 (05/15)

•Phone: (443) 681-3857

•Fax: (443) 681-4507

SUBMITTER'S COPY



State of Maryland
DHMH-Laboratories Administration
Division of Environmental Chemistry
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: E16002507 Date Coll.: 12/18/2015 Date Received 12/21/2015 Submitted By: Collins

Field ID: HO-15-0179

Lab No.: E16002507001

<u>Method</u>	<u>Element</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>
EPA 200.7	Sodium	7.01	ppm	12/23/2015

Comments:

Approved by: Yungfeng Chen

Approval date: 12/28/2015

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

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blumberg MD 24045

HO-15-0179

[illegible]

Reported



State of Maryland
DHMH-Laboratories Administration
Division of Environmental Chemistry
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 NoE16002508 Date Coll. 12/18/2015 Date Received 12/21/2015 Submitted By: S. Collins

Field ID: HO-15-0179
Lab No.: E16002508001

Analyte	Method	Result	Units	Date Analyzed
Chloride	SM 4500-Cl E	20	mg/L	12/28/2015
Total Dissolved Solids	SM 2540C	199	mg/L	12/23/2015

Comments:

Approved by:

Shahen Aneli

Approval date: 12/29/2015

*The following methods are included in our A2LA Scope of Accreditation: EPA 150.1, EPA 353.2, EPA 375.2, SM 4500 C, SM 4500-CN G & QCM-CN, QCM-CN

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Telephone: (443) 681 - 3855

Fax: (443) 681 - 4507

S:\EnviroFinal-InorganicsA.rpt

KAMALJIT KASHI
859 LIME KILN ROAD
P 46, GRID 1, PARCEL 183
15902/152

TAX MAP 46, GRID 1
15902/152

1" = 30'

LIME KILN ROAD

PROPOSED WELL

EX. WELL MAY BE IN HOUSE

#11859

#11855

PROPOSED WELL

SHED

SHED

DENSE BAMBOO

DO NOT REMOVE THIS TAG
DEPARTMENT OF THE ENVIRONMENT
WELL PERMIT NUMBER

H0+15-0179

INFORMATION-GIVE NUMBER AND WRITE
1800 WASHINGTON BLVD
BALTIMORE, MARYLAND, 21230

EX. PIT WELL TO BE ABANDONED

EX. SEPTIC TANK

SHEDS T.B.R.

BUILDING TO BE REMOVED (T.B.R.)

OLD TRENCH

APPROX. LOCATION EX. SEPTIC TANK P44607

GROUP FIVE PARTNERSHIP
11851 LIME KILN ROAD
/TAX MAP 46, GRID 1,
PARCEL 225
2200/612

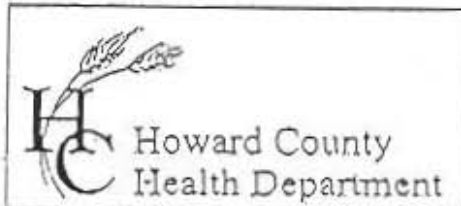
Well site approved
11/17/15 SC

Well site staked by
Shanaberg & Lane

APPROX. LOCATION
EX. DRILLED WELL
IN PIT

APPROX. LOCATION
EX. TRENCH
INSTALLED 1996
A57400

THOMAS W. ATWELL
BROOK LANE



7178 Columbia Gateway Drive, Columbia, MD 21046
(410) 313-2640 Fax (410) 313-2646
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 permit application for a proposed well for new construction, please indicate one of the following:

Well Site Location:

Subdivision/Property Name	Lot#	Road Name
		<u>11855 Lime Kiln Rd</u>

- ☒ The well site has been staked by Spanaburger surveyors
(professional land surveyor or company employing professional land surveyors)
on 9-29-2013 (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

If problem call Steve Forney
C 410-977-1328

09/29/2015 11:10
 4432667675
 HAMILTON REED HOMES
 PAGE 02

