| ci 52404 | The state of the s | QUENC DE USE | 100 PM 10 | STATE OF MARYLAND WELL COMPLETION REPORT | THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED. | |
|--|--|-----------------|--|--|---|--|
| 1 2 3 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS) | | | | FILL IN THIS FORM COMPLETELY PLEASE TYPE | COUNTY | |
| ST/CO USE ONLY DATE Received MM DD YY DD DATE WELL COMPLE | | | COMPL 594 | | PERMIT NO. FROM "PERMIT TO DRILL WELL" 28 29 30 31 32 33 34 35 36 37 | |
| OWNERF | 9-11- | 10 | - N - | Sheek head first game TOWN | Clarkenth | |
| SUBDIVISION | gero | Si | 600 | SECTION TOWN | LOT 7 | |
| WELL Not required to | | ells | | GROUTING RECORD YES NO N | C 3 | |
| STATE THE KIND OF FORMAT COLOR, DEPTH, THICKNESS | MONS PEN | ATER BE | THEIR | TYPE OF GROUTING MATERIAL (Circle one) | HOURS PUMPED (pearest hour) | |
| DESCRIPTION (Use additional sheets if needed) | FROM | ET | check if water bearing | CEMENT C M BENTONITE CLAY B C | (SE) 3.5 £1.0 | |
| Sall | - | 5 | Douting | NO. OF BAGS NO. OF POUNDS NO. OF POUNDS | PUMPING RATE (gal. per min.) | |
| 2010 | 0 |) | | DEPTH OF GROUT SEAL (to nearest foot) | METHOD USED TO MEASURE PUMPING RATE Submers 16 | |
| KED CLAY | 5 | 17 | | from 48 TOP 52 ft. to 54 BOTTOM 58 ft. (enter 0 if from surface) | WATER LEVEL (distance from land surface) | |
| Brown Tais | | 7 | | casing CASING RECORD | BEFORE PUMPING 17 20 ft. | |
| Shale | 17 | 64 | | types insert appropriate STEEL CONCRETE | WHEN PUMPING 140 ft. | |
| OTHE | . 77 | 45 | | code below PLASTIC OTHER | TYPE OF PUMP USED (for test) | |
| Limestone | 64 | 150 | | MAIN Nominal diameter Total depth | A air P piston T turbine | |
| | | E. | | CASING top (main) casing of main casing TYPE (nearest inch)! (nearest foot) | C centrifugal R rotary O other (describe | |
| MED GRAY | | 110 | | 60 61 63 64 66 70 | 27 27 below) | |
| BOCK | 100 | 400 | - | E OTHER CASING (if used) | J jet S submersible | |
| | | 151 | | diameter depth (feet) H inch trom to | PUMP INSTALLED | |
| | | - | | S S | DRILLER INSTALLED PUMP (YES NO (CIRCLE) (YES or NO) | |
| 12 | | | | g | IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS. | |
| | | 1 | | screen type SCREEN RECORD | TYPE OF PUMP INSTALLED | |
| 2. 52 | -3 | 1 | | or open hole ST BR HO | IN BOX 29. | |
| | 3 | | | (appropriate) BRONZE HOLE | CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 35 | |
| | ۲ | | | below PLASTIC OTHER | PUMP HORSE POWER 1-5 | |
| NUMBER OF UNSUCCESSE | UI WELL | s. C | > | C 2 DEPTH (nearest ft.) | PUMP COLUMN LENGTH 37360 41 | |
| | JE WELL | yes | no | 140.67,400 | (nearest ft.) 43 47 CASING HEIGHT (circle appropriate box | |
| WELL HYDROFRACTURED | | Y | | A 8 9 11 15 17 21 | and enter casing height) | |
| CIRCLE APPROP A WELL WAS ABANDON | ED AND S | EALED | | H 23 24 26 30 32 36 S | 49 LAND SURFACE (nearest) | |
| E ELECTRIC LOG OBTAINED | | | | C 3 R 38 39 41 45 47 51 | 49 below (near say) | |
| P TEST WELL CONVERTED TO PRODUCTION WELL | | | | E SLOT SIZE 1 2 3 | LATITUDE 3 9 22562 | |
| 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 | | | HE ABOVE | DIAMETER (NEAREST OF SCREEN INCH) | LONGITUDE 7 6 98713 | |
| CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE. | | | | 56 60 " from to | (DEFAULT COORD. WGS 84) Pursuant to \$10-624 of the State Govt. Article of | |
| DRILLERS LIC NO. M 40355_ 1 | | | | GRAVEL PACK | the Maryand Code personal info, requested on this form is used in processing this form pursuant | |
| DRILLERS SIGNATURE | | | | IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 66 68 | to COMAR 26.04.04. Failure to provide the info. may result in this form not being processed. You | |
| (MUST MATCH SIGNATURE ON APPLICATION) | | | | MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) | have the right to inspect, amend, or correct this form. The Maryland Department of the | |
| LIG. NO. A WD 920. | | | 9 . | T (E.R.O.S.) W Q | Environment is subject to the Maryland Public Information Act. This form may be made available on the Internet via MDE's website and is | |
| SITE SUPERVISOR (sign. of driller or journeyman | | | nan | 72 74 75 76 | subject to inspection or copying, in whole or in part, by the pulic and other governmental | |
| responsible for sitework if different from permittee) | | | | TELESCOPE LOG 74 75 76 CASING INDICATOR OTHER DATA | agencies, if not protected by federal or state law. | |

MDEN/MAPER.071 COUNTY

SPECIAL CONDITIONS

NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDS



MICHAEL BARLOW WELL DRILLING & SERVICE, INC.

522 Underwood Lane (410) 838-6910

Bel Air, Maryland 21014

Fax (410) 838-3582

WELL YIELD REPORT

| | | | 400 | |
|-----------------------|------------------------|----------------|--------------|----------------|
| | Date Te | est Completed: | H-15-5 | April 24, 2017 |
| | Well De | epth: 400 | feet | |
| Customer | Joe Fath | Permit # | HO-17-0121 | |
| Road City State | 13606 Sheepshead Court | Subdivisi | ion Hedgerow | |
| City | Clarksville | Section | | |
| State | Maryland | Lot# | | 7 |
| 4 | | | | |

| Time | Water Level feet | Time to Fill 1-gallon bucket seconds | G.P.M. |
|---------------------------|---|--|--------|
| 9:45 AM | 30 | 6 | 10.00 |
| 10:00 AM | 70 | 8 | 7.50 |
| 10:15 AM | 96 | 18 | 3.33 |
| 10:30 AM | 98 | 18 | 3.33 |
| 10:45 AM | 100 | 20 | 3.00 |
| 11:00 AM | 100 | 20 | 3.00 |
| 11:15 AM | 100 | 20 | 3.00 |
| 11:30 AM | 100 | 20 | 3.00 |
| 11:45 AM | 100 | 20 | 3.00 |
| 12:00 PM | 100 | 20 | 3.00 |
| 12:15 PM | 100 | 20 | 3.00 |
| 12:30 PM | 100 | 20 | 3.00 |
| 12:45 PM | 100 | 20 | 3.00 |
| 1:00 PM | 100 | 20 | 3.00 |
| 1:15 PM | 100 | 20 | 3.00 |
| 1:30 PM | 108 | 15 | 4.00 |
| 1:45 PM | 128 | 15 | 4.00 |
| 2:00 PM | 130 | 15 | 4.00 |
| 2:15 PM | 130 | 15 | 4.00 |
| 2:30 PM | 130 | 15 | 4.00 |
| 2:45 PM | 140 | 15 | 4.00 |
| 3:00 PM | 140 | 15 | 4.00 |
| 3:15 PM | 140 | 15 | 4.00 |
| 3:30 PM | 140 | 15 | 4.00 |
| This yield test report is | for informational purposes only. Please | note the yield may increase or decrea | ise |
| | indicated above is not a guarantee. | | |

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH
WELL & SEPTIC PROGRAM
TEL: (410)313-1771 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: BAYLOW Well Drilly Telephone #: 410-838-6910 Address: 522 Underwood Lare Bela-c, ND 21014 |
|--|
| (Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer License # and name of individual responsible for the field installation: Name (Print): License# MWD 355 *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: JOE FAH Telephone #: 410 - 480 - 92100 Subdivision: Heachelone Lot #: 7 Well Tag #: HO - 17 - 0121 Site Address: 13100 Sheepshead Ct Clarksville Make: 1050 Sheepshead Ct Make: 6700 705 - 59eco Make: 1050 Screened, vented well cap: 1050 Model #: 1050 E15 - 330 Mode |
| Depth of supply line: 42 (36" min) Sleeve sealed properly: 4eS 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 date |
| For Health Department Use Only - Not to be completed by Installer |
| Date Insp. Requested: S S T Date Insp. Approved: Inspector: 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 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 |

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH
WELL & SEPTIC PROGRAM
TEL: (410)313-1771 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: Bortow Well Drilly Telephone #: 40-838-6910 Address: 522 Underwood Lare Bel A-r, MD 21014 | | | | | |
|--|--|--|--|--|--|
| (Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer License # and name of individual responsible for the field installation: Name (Print): License# MWD 355 *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: JOE FATH Telephone #: 410-480-9260 Subdivision: Heographic Lot #: 7 Well Tag #: HO-17-0 21 Site Address: 131-de Sheepshead CT Clarksvilk, MD 21029 | | | | | |
| Submersible Pump Data Make: 670 10 705 - 5900 Make: Make: Boshort Make: 670 10 705 - 5900 Make: Make: Boshort Make: 670 10 705 - 5900 Make: Make: Boshort Make: 670 10 705 - 5900 Make: Make: Boshort Make: 670 10 705 - 5900 Make: Make: Boshort Make: 670 10 705 - 5900 Make: Make: Boshort Two piece watertight cap: 10 Screened, vented well cap: 10 Cap secured to casing: 10 Cap secured to casing: 10 Conduit min 18" B.G.: 10 Conduit min 18" B.G.: 10 Conduit min 18" B.G.: 10 Conduit secured to well cap: 10 | | | | | |
| Piping to house Type: 1'14 Day PSI: 200 (160 psi min) Depth of supply line: 42" (36" min) House Connection PVC sleeve to undisturbed soil at wall penetration: 1c5 Length of sleeve(5' minimum from foundation): 5 Sleeve sealed properly: 1c5 | | | | | |
| 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 <u>cannot</u> be accomplished, contact this office for approval prior to installation. | | | | | |
| Signature of company representative responsible for installation date | | | | | |
| For Health Department Use Only – Not to be completed by Installer | | | | | |
| Date Insp. Requested: Date Insp. Approved: Inspector: | | | | | |
| 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 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 | | | | | |

13606 Sheepshead Ct Ho-17-0121 FILE INQUIRY NOTES

| DATE | RESULTS OF REVIEW FOR FILE |
|----------|--|
| 4/18/2a= | Ghatings: |
| | |
| | of Jot hele por allapse - Drill cottings? |
| | 30' Tremse xo - 30 Jun the annular space |
| | York Brilding |
| | 20816 Well-Grout 875 |
| | |
| | 15 bags 140-50 gel? - Lough estimates from |
| | " Amped cerout in-therded Driller. |
| | "pumped growt in-blended Driller. W water almost " - I shouter |
| | |
| | |
| | Well site was coursed in drillings. Annular Space |
| | not noticably protected. Contractor dy cuttings away |
| | from easing directly touching the casing. |
| | baroid - also an truch |
| | 3/8" Hole plag |
| | Quick growt @ |
| | J. He |
| 4/24/201 | 7 Grat spece sent from diller further corresponden |
| | w/ Chiler. See Email |
| 101 | |
| 16/17 | Owner wants to convert well from irrigation to petable well. |
| | Barlow took bacteria samples and will forward results 60 |
| | |
| | |



By Quality Grout, LLC

Technical Data Sheet

WELL GROUT™ Pre-Blended Grout

Description

Well Grout[™] is a special pre-blended cementitious formulation designed for use in grouting boreholes containing ground source heat loops. Well Grout[™], when combined with water at the prescribed dosage rate, yields a cohesive grout with excellent workability and grouting annular space in water well, etc..

The use of Well Grout™ guarantees consistent permeability and conductivity over the life of the well. Well Grout™ improves heat transfer efficiency by matching the thermal conductivity of the surrounding soil. It also allows for superior handling capability, batch control and QC/QA on the job site.

Application

Sealing/grouting of plastic ground source heat loops; sealing / grouting of annular spaces in wells and boreholes; creation of a low permeability, low shrinkage seal to prevent down-hole cross-contamination of aquifers; and to prevent entry of surface water into a borehole and/or well abandonment.

Properties

Well Grout™ Powder

Appearance: Black/gray, free-flowing powder

Specific gravity: 2.596 Bulk Density: 2.380

Particle Size (max): 1.18mm

Moisture: <0.5%

Mixed Well Grout™

Grout density: 40 to 50 lb/ft3

Compressive Strength: Min. 400 psi

Permeability: 3 x 10-7

Recommended Mixing Proportions

The recommended mix proportions are as follows:

Weight of Well Grout:

75lbs.

Water per 75lb bag:

5 gallons

Yield:

6.75 gallons

Packaging and Availability

Standard packaging: 75lb. bags, 56 bags per pallet, 40 x 48 pallet, shrink-wrapped. The product is not susceptible to freezing, but must be protected from exposure to moisture. Whole Grout Products can be purchased by contacting:

Quality Grout, LLC 950 Smile Way York, PA 17404 Phone: 717.771.3545

Disclaimer: The statements in this bulletin are based upon data which is believed to be reliable, and is offered in good faith to be applied accordingly to the user's best judgment. Since operating conditions at project sites are beyond our control,, Quality Grout, LLC will not assume responsibility for the accuracy of this data, or liability which may result from the use of its products.

Health Hazard Warning: Prolonged inhalation of dust associated with the unmixed powder described in this data sheet can cause respiratory distress. Avoid creating dust when handling, using or storing. Follow OSHA safety and Health Standards for fugitive dust.

Cabahug, Joseph

From:

Cabahug, Joseph

Sent:

Monday, April 24, 2017 4:29 PM

To:

'Mike Isom'

Subject:

RE: Fwd: Fwd: Well Grout Data Sheet

Thanks for the spec sheet Mike!

To follow up with the grouting from 13606 Sheepshead Ct (HO-17-0121), I have a few questions.

The spec sheet mentions a black/grey powder. The grout observed was tuna/pink in colour. The driller on site mentioned that the manufacturer specializes in coloured grout. Please confirm that the [20816 Well-Grout 875] bagged on site is the same type of grout from the Spec sheet.

The driller reported mixing proportion for the grout was 40 - 50 gallons of water for 15 bags. This makes about 2.6 - 3.3 gallon per 75lb bag. The spec sheet specifies 5 gallons of water per 75lb bag to achieve the permeability spec of $[3 \times 10^{-7}]$. Please confirm that the mixing ratio used in field maintains a permeability that does not fall below $[1 \times 10^{-7}]$.

We appreciate the use of proprietary grouting and look forward to working together to ensure any deviation from the manufacturers mixing recommendations meet the requirements of the regulations.

Thank you!

Joseph C. Cabahug Environmental Health Specialist - Trainee Well & Septic Program Bureau of Environmental Health 8930 Stanford Blvd. Columbia, MD 21045 (a) 410-313-2643



jcabahug@howardcountymd.gov

CONFIDENTIALITY NOTICE

This message and the accompanying documents are intended only for the use of the individual or entity to which they are addressed and may contain information that is privileged, confidential, or exempt from disclosure under applicable law. If the reader of this email is not the intended recipient, you are hereby notified that you are strictly prohibited from reading, disseminating, distributing, or copying this communication. If you have received this email in error, please notify the sender immediately and destroy the original transmission.

From: Mike Isom [mailto:misom@mbwd.us]
Sent: Monday, April 24, 2017 11:26 AM

To: Cabahug, Joseph

Subject: Fwd: Fwd: Fwd: Well Grout Data Sheet

Here is a copy of the spec sheet that was provided to John Boris at MDE.

Sincerely,

Michael Isom
Project Manager
Michael Barlow Well Drilling Service
Phone: (410) 838-6910
Fax: (410) 838-3582
522 Underwood Lane
Bel Air, MD 21014
www.michaelbarlowwelldrilling.com
www.thermalloopcorp.com
Click HERE to like us on Facebook!

----- Forwarded Message -----

Subject:Fwd: Fwd: Well Grout Data Sheet
Date:Thu, 20 Apr 2017 09:30:34 -0400
From:Mike Barlow <mb@mbwd.us>
To:Mike Isom <misom@mbwd.us>

Sincerely,

Michael Barlow,
President
Michael Barlow Well Drilling Service: Phone (410) 838-6910
Thermal Loop Corporation: Phone (410) 879-3588
522 Underwood Lane, Bel Air, MD 21014
Fax: (410) 838-3582
www.michaelbarlowwelldrilling.com
www.thermalloopcorp.com
Click HERE to like us on Facebook!

----- Forwarded Message ------ Subject: Fwd: Well Grout Data Sheet

Date:Mon, 03 Nov 2014 09:51:32 -0500 **From:**Mike Barlow <mb@mbwd.us>

To:jboris@mde.state.md.us

Michael Barlow
President
Michael Barlow Well Drilling Service; Phone: (410) 838-6910
Thermal Loop Corporation; Phone: (410) 879-3588
522 Underwood Lane
Bel Air, MD 21014
www.michaelbarlowwelldrilling.com
www.thermalloopcorp.com



By Quality Grout, LLC

Technical Data Sheet

WELL GROUT™ **Pre-Blended Grout**

Description

Well Grout™ is a special pre-blended cementitious formulation designed for use in grouting boreholes containing ground source heat loops. Well Grout™, when combined with water at the prescribed dosage rate, yields a cohesive grout with excellent workability and grouting annular space in water well, etc..

The use of Well Grout™ guarantees consistent permeability and conductivity over the life of the well. Well Grout™ improves heat transfer efficiency by matching the thermal conductivity of the surrounding soil. It also allows for superior handling capability, batch control and QC/QA on the job site.

Application

Sealing/grouting of plastic ground source heat loops; sealing / grouting of annular spaces in wells and boreholes; creation of a low permeability, low shrinkage seal to prevent down-hole cross-contamination of aquifers; and to prevent entry of surface water into a borehole and/or well abandonment.

Properties

Well Grout™ Powder

Appearance: Black/gray, free-flowing powder

Specific gravity: 2.596 Bulk Density: 2.380

Particle Size (max): 1.18mm

Moisture: <0.5%

Mixed Well Grout™

Grout density: 40 to 50 lb/ft3

Compressive Strength: Min. 400 psi

Permeability: 3 x 10-7

Recommended Mixing Proportions

The recommended mix proportions are as follows:

Weight of Well Grout:

75lbs.

Water per 75lb bag:

Yield:

5 gallons 6.75 gallons

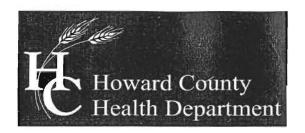
Packaging and Availability

Standard packaging: 75lb. bags, 56 bags per pallet, 40 x 48 pallet, shrink-wrapped. The product is not susceptible to freezing, but must be protected from exposure to moisture. Whole Grout Products can be purchased by contacting:

Quality Grout, LLC 950 Smile Way York, PA 17404 Phone: 717.771.3545

Disclaimer: The statements in this bulletin are based upon data which is believed to be reliable, and is offered in good faith to be applied accordingly to the user's best judgment. Since operating conditions at project sites are beyond our control,, Quality Grout, LLC will not assume responsibility for the accuracy of this data, or liability which may result from the use of its products.

Health Hazard Warning: Prolonged inhalation of dust associated with the unmixed powder described in this data sheet can cause respiratory distress. Avoid creating dust when handling, using or storing. Follow OSHA safety and Health Standards for fugitive dust.



Bureau of Environmental Health

8930 Stanford Blvd, Columbia, MD 21045 Main: 410-313-2640 | Fax: 410-313-2648 TDD 410-313-2323 | Toll Free 1-866-313-6300 www.hchealth.org

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

June 8, 2017

Homeowner 13606 Sheepshead Court Clarksville, MD 21029

RE:

New Potable Well Sampling

13606 Sheepshead Court

#HO-17-0121

Dear Homeowner,

According to our records, your replacement well has been connected to the dwelling. We request that you contact the Community Hygiene Program at (410) 313-1773 to schedule initial water sampling for the above referenced replacement well, as required by the Maryland Well Construction Regulation (COMAR 26.04.04). This sampling includes testing for bacteria, nitrates, turbidity, and sand. There is currently no charge for the sampling and it is to your benefit to have it tested.

Michael Barlow Well Drilling recently submitted passing water test results for bacteria and nitrate; the Health Department would like to collect a repeat sample for bacteria as well as turbidity and samples.

Sampling of the new well should be collected from the primary indoor drinking tap, but if suitable scheduling is not possible, the sample may be taken from an outside tap to complete your sampling obligation. However, the potential for unsuccessful sample results increases when samples are collected from taps exposed to the outside environment.

Feel free to contact me with any questions.

Sincerely,

Sarah Collins, L.E.H.S. Howard County Health Department

Sah alli

SCollins@howardcountymd.gov

410-313-6287

Cc: Community Hygiene Program

File

| • • • • | | | | | |
|--|---|--|--|--|--|
| SEND REPORT TO: Bert Nixo Howard Co. Health De Bureau of Environmen 9930 Stanford Blvd/C PHONE NO: 412-313-1713 | DHMH - Laboratories Administration DIVISION OF ENVIRONMENTAL SCIENCES 1770 Ashland Avenue, Baltimore, MD 21205 Robert A. Myers, Ph.D. Director | | | | |
| Category Code: 4F | Invoice No.: Lab No.: | | | | |
| | FIELD RECORD | | | | |
| Sample Type: ☐ Community ☐ Transient ☐ Non-Transient ☑ Private ☐ Repeat Sample ☑ C.O.P. ☐ Bottled Water ☐ OTHER: Test Requested: ☐ Quantitative: Colilert-Quantitative: Colilert-Quanticative: Colilert-Quanticative: Coli | nt 🗆 SimPlate | | | | |
| ☐ Multiple Tube Fermentat ☐ Quantitative: Enterolert ☐ Other: Remarks: No sand | 0 (0 0 0 0 0 0 | | | | |
| | LABORATORY RECORD (DHMH Use Only) | | | | |
| ☐ SM 9221B (MTF) ☐ | SM 9223 Colilert-QT | | | | |
| P/A Test | Quantitative Test Heterotrophic Plate Count | | | | |
| 100 mL Sample (+/–) | Dilution: □ 1:100 □ 1:1000 100 mL Sample # Positive wells MPN/100 mL | | | | |
| Total Coliforms | Total Coliforms Plate A: | | | | |
| E. coli | E. coli | | | | |
| Enterococci | Enterococci | | | | |
| | Average: CFU/mL MPN/mL | | | | |
| | Presumptive MTF Test | | | | |
| JUN 16'17 am 8:30 A | mL of Sample 10 mL | | | | |
| ON 10 11 HU 9:30 Q | Gas/24h | | | | |
| Received | Gas/48h RECEIVED MTF Results | | | | |
| JUN 16'17 pm 1:57 Placed in Incubator | Confirmed MTF Test mL of Sample Total Coliforms Mo. of Positive (+) 100 mL Value | | | | |
| · · · | E. coli | | | | |
| JUN 17'17 AM 8:05 | Specialized Testing Results: | | | | |
| Results Read/Reported | | | | | |
| Analyst: | Reviewed by/Date: (, CA-A-B-6/19/17 | | | | |
| Remarks: | □ Fax □ Email □ Phone | | | | |

☐ Central Lab (443) 681-3960 ☐ ESRL (410) 219-9005 ☐ WMRL (301) 759-5115

Laboratory:

| • • • .• . | • • • | | • • | • • | • • • |
|---|---------------------------------|---|---|---|--|
| SEND REPORT TO: Bert Nixon Havard Co. Health Dep Bureau of Environment | PERIODIVISION 1770 AS | | ministration NTAL SCIENCES lore, MD 21205 | ATER | 011353 |
| Category Code: 4F | 1nvoic | e No.: | | Lab No.: | |
| | | FIELD RECO | RD | | |
| Sample Type: Community Transient Non-Transient Private Repeat Sample C.O.P. Bottled Water OTHER: Test Requested: W Quantitative: Colilert-QT Heterotrophic Plate Count Multiple Tube Fermentatio Quantitative: Enterolert | | Treated: Yes G/15/17 S. Collins Hid-313-6 collect | eepshead Ct. Sink No Coun Time Colle 287 PWS ounty | Bottle No. ty: Howay Collected: 11 ctor ID No.: 31 ID No.: Plant No. | 1:20 ☑ am □ pm 1:06 SC Sampling Station |
| ☐ Other: <u>water of</u> | ever. | | 0 5 E | Res.Cl: Fre | O [O] e Total |
| Remarks: | | 001/0000 | | Nes.Ci. | e lotal |
| LABORATORY RECORD (DHMH Use Only) Test Method(s): (check all that apply) SM 9223 Colilert SM 9223 Colilert-QT SM 9223 Colilert-18 SM 9221B (MTF) SM 9221B, F (MTF) SM 9223 Colisure SM 9215B (HPC) Enterolert ASTM D6503-99 SimPlate Other: | | | | | |
| P/A Test | Quantitative Test | | | Heterotrophic | Plate Count |
| 100 mL Sample (+/-) | Dilution: □ 1:10 □ | | | Incubated 24, 48 | , 72hr @ 35°C |
| Total Coliforms | 100 mL Sample | # Positive wells | MPN/100 mL | Plate A: | |
| E. coli | Total Coliforms | 0 | <u> </u> | Plate B: | |
| Enternocci | E. coli | \mathcal{O} | 21 | | |
| Enterococci | Enterococci | | | Average: | CFU/mL MPN/mL |
| | Presumptive MT | F Test | | | |
| JUN 16'17 AM 8:30 A | mL of Sample Gas/24h | | mL | | |
| Received | Gas/48h | R | ECEIVED | MTF Results | |
| | | | | | MPN/ Recorded |
| JUN 16 17 PM 1:57 mL of Sample 10 mL Positive (+) 100 mL Value | | | | | The state of the s |
| Placed in Incubator Total Coliforms HOWARD COUNTY HEALTH DEPT. GOMMUNITY HYGIENS PROGRAM | | | | | |
| E. coli | | | | | |
| JUN 17'17 AM 8:05 | A.C. Spoolanzes rossing rossins | | | | |
| Results Read/Reported | | Vije: 1555 - 1865 - 1865 | 1/1 | 77 | Tess |
| Analyst: | | _Reviewed by/D | ate: K . Cho | ne 6/19 | // 7 |
| lemarks: | | | | | |

Laboratory:

SITE INSPECTION SHEET

| OWNER: Fath | | PHONE #:CONTRACTOR: Barlow | | |
|--|-----------------|----------------------------|----|--|
| ADDRESS: 13606 Sha | eepshead Ct. | | | |
| | | | | |
| SUBDIVISION: | | | | |
| PROPOSAL: DVIII & Y | iew inigation w | ess. | | |
| | LOCATION | N DIAGRAM | | |
| proposed irrigation COMMENTS: Met Mi existing trench exercise outside 100' au | ke Isom from & | | | |
| DATE: 3/2/17 | INSPE | CTOR: Savab Call | w(| |