

Bureau of Environmental Health

8930 Stanford Blvd., Columbia, MD 21045

Main: 410-313-1771 | Fax: 410-313-2648

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

www.hchealth.org

Facebook: www.facebook.com/hocohealth

Twitter: HowardCoHealthDep

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

Sent Certified Mail 7004 1160 0002 3409 5677

November 4, 2015

Timothy and Leanne Titcomb
1950 Saint James Road
Marriottsville, MD 21104

RE: **Order to Connect to Public Water System**
1950 Saint James Road
Marriottsville, MD 21104

Dear Mr. and Mrs. Titcomb:

You recently contacted us through the Howard County Public Works regarding efforts to connect to the public water supply system due to poor water quality issues. Howard County verified that your property is accessible to public water but is outside the Metropolitan District.

Additionally, you have provided our office with several water quality analysis reports for your well that indicated elevated levels of Sodium, Chlorides and Total Dissolved Solids. Further review by this Department has confirmed that the private water supply for the property is a drilled well (HO-73-4157).

Based on the aforementioned information and department evaluation, the poor water quality issues from your existing well creates a condition that is considered a potential threat to health as described in Howard County Code Section 12.105

Therefore, pursuant to provisions of Section 12.105 as amended by Council Bill 32-2002, you are hereby ORDERED to apply for the necessary permits and begin process for connection to the public water supply within thirty (30) days of receipt of this letter. Barring any unusual processing delays or extreme weather conditions, connection to the public water supply shall occur within sixty (60) days of receipt of this letter. In Addition, you are required to abandon the existing well (HO-73-4157) in conformance with the procedures outlined in *COMAR 26.04.04.34*. Abandonment shall occur within thirty (30) days following connection to public water. If you are unable to meet any of these deadlines, please contact Kevin Wolf at 410-313-2645 to discuss.

This decision may be appealed to the Board of Health. If you choose to appeal, you shall file a written request to the Executive Secretary of the Board of Health within fifteen (15) days of receipt of this order to connect.

Failure to comply with this order shall be grounds for further enforcement action as set forth in Section 12 of the Howard County Code.

If you have any questions, contact Kevin Wolf at 410-313-2645.



Bert Nixon
Director

CC: Carl Katenkamp, Real Estate Services
Phyllis Watson, Department of Public Works
James Irvin, Director, Department of Public Works
Jeff Welty, Deputy Chief, Bureau of Utilities
Executive Secretary, Board of Health

WATER INSTALLATION RECORD

Quote 5005126

Application No. 1-18-353

Type of Installation:

Date Applied 11/06/2015

Future: Capital Project Utilities

Dev. Agreement

ADO No.

W.H.C. 1"

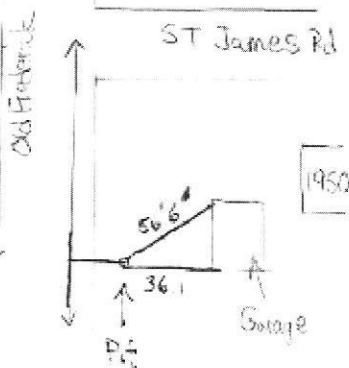
Size Meter: 3/4"



86371661

Date of Tap 12-21-15
Length of Connection 20'
Diameter 1"
Kind of Pipe Copper
Size of Corp. 3/4"
Meter Size 3/4" Make Z-PION
Serial Number 4-147 4572
ERT Number 86371661
Date of Meter Setting 12/23/15
Meter Location pit
Location Radio = P on RT 99
12' S of Garage
4' E of R. Door of Garage
Reading
Meter Remote N/A
Installed By Conradner N

SKETCH



SEWER INSTALLATION RECORD

Premise 5101005604

Application No.

Connection Object 7101076586

Date Applied

Sewer Add Water Add

W&S Contract No 4528

Size S.H.C. MR Unit 01001507

W&S Contract No

Street
SAINT JAMES RD

House No
1950

Lot No

Subdivision

MARRIOTTSVILLE

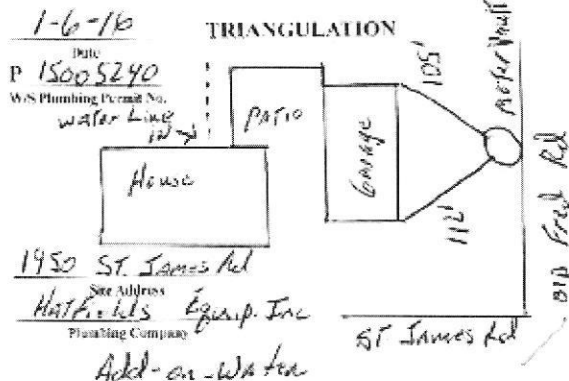
Type of Property

Town/Vicinity & Zip
MARRIOTTSVILLE

Applicant Name & Address

TIMOTHY E TITCOMB

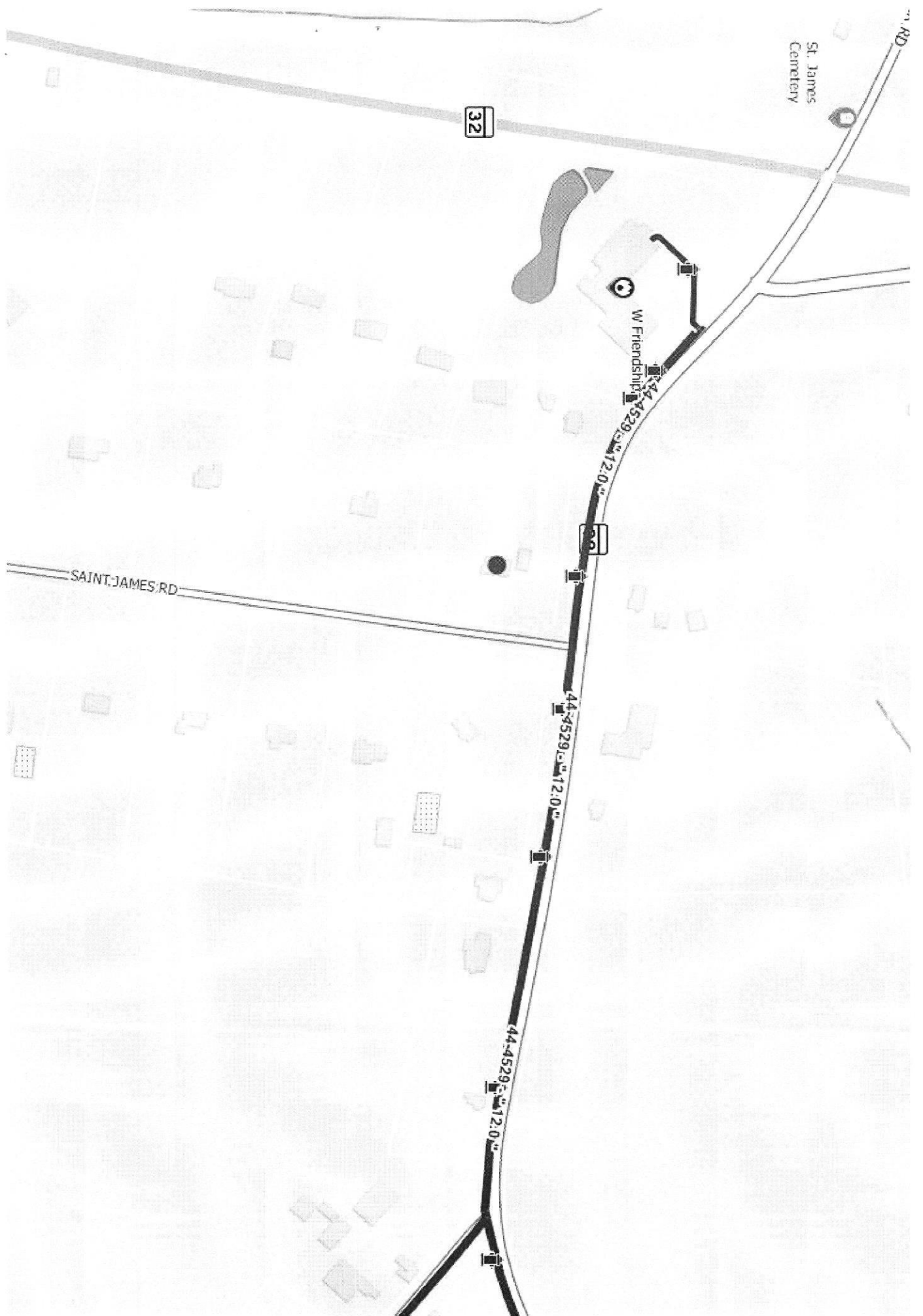
1950 SAINT JAMES RD
MARRIOTTSVILLE MD 21101



Dev. Agreement

ADO No.

Lateral



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

DATE WELL ABANDONED: 12/29/15 (month/day/year)

* PERMIT NUMBER OF ABANDONED WELL (if any) _____

* PERMIT NUMBER OF REPLACEMENT WELL: _____

* PERSON ABANDONING WELL: ROBERT COPSEY WELL DRILLER'S LICENSE NUMBER: 161

CIRCLE: MWD / MSD / MGD

* OWNER'S NAME: TIMOTHY Titcomb

* WELL LOCATION:

COUNTY: HOWARD CO.

NEAREST TOWN: MARRIOTTSVILLE

TAX MAP 0009 BLOCK _____ PARCEL 0319

SUBDIVISION: 0000

SECTION: _____ LOT: 1

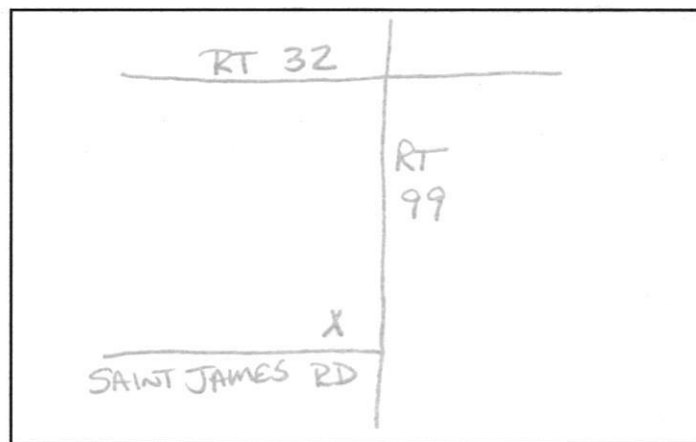
STREET ADDRESS: 1950 ST. JAMES RD.

MARRIOTTSVILLE 21104

LATITUDE 3 9 . 1 9 0 6 5 4

LONGITUDE 7 6 . 5 6 4 5 4 0

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" INCHES IN DIAMETER

DEPTH OF WELL: 400' FEET DEEP

WAS ANY CASING REMOVED? ☒ YES ☐ NO

If yes, length removed, in feet: 5

WAS CASING RIPPED OR PERFORATED? ☐ YES ☒ NO

SIGNATURE-MASTER WELL DRILLER OR SUPERVISING SANITARIAN Robert Copsey LICENSE# 161

MWD / MSD / MGS

CIRCLE ONE

DATE 12/29/15

COUNTY

LOG OF SEALING MATERIAL

| MATERIAL | FEET | |
|-------------------------|------|----|
| | FROM | TO |
| Bentonite clay | 400' | 4' |
| VOLUME OF MATERIAL USED | | |
| 480 lbs Bentonite clay. | | |

410-489-5622

Lab No. Date Received

Send Report To:

Howard County Health Department
Bureau of Environmental Health
8930 Stanford Blvd.
Columbia, Maryland 21045

State of Maryland
DHMH - Laboratories Administration
Division of Environmental Chemistry
ENVIRONMENTAL METALS SECTION
201 W. Preston Street, Baltimore, Maryland 21201


E15001792001
Received: 11/17/2014
Metals HC1950Pre

LABORATORY ANALYSIS REQUEST

Please Print

Sample ID No: HC1950 Site Name: Tim Titcomb County: Howard

Sample Source: 1950 Saint James Rd, Marriottsville Collector: B. Shklyar
Street Town or City Name

Date Collected: 11/17/2014 Time Collected: 9:00 a.m. p.m. Phone #: 410-313-1787

Sample Preserved By: ☐ Field ☐ ESRL ☐ Central Lab

Preservative Used: ☐ HNO₃ pH 2.0 11-17-14 SAM

Sample Type: ☒ Drinking Water ☐ Landfill ☐ Source (Raw Water) ☐ Liquid
☐ Community ☐ Stream ☐ Distribution (Treated) ☐ Solid
☐ 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: sample taken from water faucet

| ✓ | 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) | 70.0 | | Potassium (K) | |
| | Thallium (Tl) | | | Uranium (U) | |

RECEIVED

Lab Supervisor: Ladina Muneom

Date Reported: DEC - 4 2014

• Phone: (410) 767 - 6186

• Fax: (410) 333 - 5122

DHMH 4432 (7/10)

SUBMITTER'S COPY

HOWARD COUNTY HEALTH DEPT.
COMMUNITY HYGIENE PROGRAM



State of Maryland
DHMH-Laboratories Administration
Division of Environmental Chemistry
TRACE METALS LABORATORY
201 W. Preston Street, Baltimore, Maryland 21201
Robert Myers, Ph.D., Director



Certificate of Analysis

HOWARD CO ENVIRONMENTAL HLTH
8930 STANFORD BLVD
COLUMBIA, MD 21045

Lab Project No: E15001792 Date Coll.: 11/17/2014 Date Received: 11/17/2014 Submitted By: SHKLYAR

Field ID: HC1950Pre
Lab No.: E15001792001

| <u>Method</u> | <u>Element</u> | <u>Result</u> | <u>Units</u> | <u>Date Analyzed</u> |
|---------------|----------------|---------------|--------------|----------------------|
| EPA 200.7 | Sodium | 70.01 | ppm | 11/24/2014 |

RECEIVED

DEC - 4 2014

HOWARD COUNTY HEALTH DEPT.
COMMUNITY HYGIENE PROGRAM

Comments:

Approved by: Sadia Muneer

Approval date: 11/25/2014

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

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) 767-6944 and arrange for return or destruction.

Send Report To:

Howard County Health Department
Bureau of Environmental Health
8930 Stanford Blvd.
Columbia, Maryland 21045

State of Maryland
DHMH - Laboratories Administration
Division of Environmental Chemistry
ENVIRONMENTAL METALS SECTION
201 W. Preston Street, Baltimore, Maryland 21201



E15001792002

Received: 11/17/2014

Metals

HC1950Post

LABORATORY ANALYSIS REQUEST

Please Print

Sample ID No: HC1950 ^{POST} Site Name: Tim Titcomb County: Howard

Sample Source: 1950 Saint James Rd. Marriottsville Collector: B. Shklyar
Street Town or City Name

Date Collected: 11/17/2014 Time Collected: 9:00 a.m. _____ p.m. Phone #: 410-313-1727

Sample Preserved By: ☒ Field ☐ ESRL ☐ Central Lab

Preservative Used: ☒ HNO₃ pk 220 11-17-14 SA

Sample Type: ☒ Drinking Water ☐ Landfill ☐ Source (Raw Water) ☐ Liquid
☐ Community ☐ Stream ☒ Distribution (Treated) ☐ Solid
☐ 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: sample taken from powder room 1-54-100

| ✓ | 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) | 221.10 | | Potassium (K) | |
| | Thallium (Tl) | | | Uranium (U) | |

RECEIVEDLab Supervisor: Sadra NunezDate Reported: DEC 14 2014

DHMH 4432 (7/10)

• Phone: (410) 767-6186

• Fax: (410) 333-5122

SUBMITTER'S COPY

HOWARD COUNTY HEALTH DEPT.
COMMUNITY HYGIENE PROGRAM



State of Maryland
DHMH-Laboratories Administration
Division of Environmental Chemistry
TRACE METALS LABORATORY
201 W. Preston Street, Baltimore, Maryland 21201
Robert Myers, Ph.D., Director



Certificate of Analysis

HOWARD CO ENVIRONMENTAL HLTH
8930 STANFORD BLVD
COLUMBIA, MD 21045

Lab Project No: E15001792 Date Coll.: 11/17/2014 Date Received: 11/17/2014 Submitted By: SHKLYAR

Field ID: HC1950Post
Lab No.: E15001792002

| <u>Method</u> | <u>Element</u> | <u>Result</u> | <u>Units</u> | <u>Date Analyzed</u> |
|---------------|----------------|---------------|--------------|----------------------|
| EPA 200.7 | Sodium | 221.10 | ppm | 11/18/2014 |

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DEC - 4 2014

HOWARD COUNTY HEALTH DEPT.
COMMUNITY HYGIENE PROGRAM

Comments:

Approved by: Sadia Muneer

Approval date: 11/25/2014

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

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DEPARTMENT OF HEALTH AND MENTAL HYGIENE

Laboratories Administration

Howard County Health Department
Bureau of Environmental Health
8930 Stanford Blvd.
Columbia, Maryland 21045

201 W. Preston St
P.O. Box 2355, Baltimore, Maryland 21203
Robert A. Myers, Ph. D., Director

WATER ANALYSIS



E15001785002

Received: 11/17/2014

Inorganic

HC 1950 PRE

Do not write above this line.

| | | | | | | | | | |
|-----------|---------------------|-------------------------------------|---------------|--------------------------|------------------------|-------------------------------------|-----------|--------------------------|---|
| SAMPLE ID | Bottle Number | HC1950 PRE | Name | Tim Tit comp | County | Howard | Code | 13 | |
| | Location | 1950 Saint James Rd, Marriottsville | | | | Data Category | Code | 4F | |
| | Collected: Date | 11/17/19 | Time | 9:00am | Collector & Phone | Boleslav Shklyar 410-313-1787 | | | |
| | Submitter | Code | | | | | | | |
| | 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 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"/> | |
| | | | | | | | | Federal Project | 5 |

| | | | | | | | | | | |
|-------|---|----------------------|------------------|----------------------|--------------------|-------------------------------------|----------------------|--------------------------|----------------------|----------------------|
| FIELD | Plant No. | <input type="text"/> | Sampling Station | <input type="text"/> | Preservation: Iced | <input checked="" type="checkbox"/> | Acid | <input type="checkbox"/> | Type of Acid | <input type="text"/> |
| | pH | <input type="text"/> | Chlorine: Free | <input type="text"/> | Total | <input type="text"/> | Specific Conductance | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| | Notes to Lab/Remarks: <u>Sample taken from water tank</u> | | | | | | | | | |
| | | | | | | | | | | |

[illegible]

* Results reported in Units, all others in milligrams per liter (ppm)

Number of
Tests Requested

Section Chief

Date
Reported



State of Maryland
DHMH-Laboratories Administration
Division of Environmental Chemistry
INORGANICS ANALYTICAL LABORATORY
201 W. Preston Street, Baltimore, Maryland 21201
Robert Myers, Ph.D., Director



Certificate of Analysis

HOWARD CO ENVIRONMENTAL HLTH
8930 STANFORD BLVD
COLUMBIA, MD 21045

Lab Project NoE15001785 Date Coll. 11/17/2014 Date Received 11/17/2014 Submitted By:Shaklyar

Field ID: HC 1950 PRE
Lab No.: E15001785002

| <u>Analyte</u> | <u>Method</u> | <u>Result</u> | <u>Units</u> | <u>Date Analyzed</u> |
|------------------------|---------------|---------------|--------------|----------------------|
| Chloride | SM 4500-Cl E | 305 | mg/L | 11/24/2014 |
| Total Dissolved Solids | SM 2540C | 558 | mg/L | 11/21/2014 |

Comments:

RECEIVED

DEC 11 2014

HOWARD COUNTY HEALTH DEPT.
COMMUNITY HYGIENE PROGRAM

Approved by:

Approval date: 12/09/2014

*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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DEPARTMENT OF HEALTH AND MENTAL HYGIENE

Howard County Health Department
Bureau of Environmental Health
8930 Stanford Blvd.
Columbia, Maryland 21045

Laboratories Administration
201 W. Preston St.
P.O. Box 2355, Baltimore, Maryland 21203
Robert A. Myers, Ph. D., Director
WATER ANALYSIS



E15001785003

Received: 11/17/2014

Inorganic

HC 1950 POST

Do not write above this line.

| | | | | | | | | |
|-----------|---|---|---|---|-------------------|------------------|--------------------|----|
| SAMPLE ID | Bottle Number | HC1950 POST | Name | Tim Titcomb | County | Howard | County Code | 13 |
| | Location | 1950 Saint James Rd, Marviolettsville | | | | | Data Category Code | 41 |
| | Collected: Date | 11/17/14 | Time | 9:00 am | Collector & Phone | Boleslav Shklyar | Submitter Code | |
| | CHECK (one per box) | | | | | 410-313-1787 | | |
| | <input type="checkbox"/> Drinking Water <input type="checkbox"/> Landfill <input type="checkbox"/> Stream <input type="checkbox"/> Other | <input type="checkbox"/> Community <input type="checkbox"/> Non-community <input checked="" type="checkbox"/> Private <input type="checkbox"/> Other | <input type="checkbox"/> Source (raw water) <input checked="" type="checkbox"/> Distribution (treated) <input type="checkbox"/> MCL | <input type="checkbox"/> Emergency <input checked="" type="checkbox"/> Routine <input type="checkbox"/> Recheck <input type="checkbox"/> Special | Federal Project | S | | |

| | | | | | | | | | | |
|-------|---|---|------------------|---|--------------------|-------------------------------------|----------------------|---|--------------|--|
| FIELD | Plant No. | <div><div></div><div></div><div></div><div></div></div> | Sampling Station | <div><div></div><div></div><div></div><div></div></div> | Preservation: Iced | <input checked="" type="checkbox"/> | Acid | <input type="checkbox"/> | Type of Acid | |
| | pH | <div><div></div><div>6</div><div>5</div></div> | Chlorine: Free | <div><div>0</div><div>0</div></div> | Total | <div><div>0</div><div>0</div></div> | Specific Conductance | <div><div></div><div></div><div></div><div></div></div> | | |
| | Notes to Lab/Remarks: sample taken from Powder Room | | | | | | | | | |
| | 1-st fl oor no A/O | | | | | | | | | |

[illegible]

* Results reported in Units, all others in milligrams per liter (ppm)

| | | |
|---------------------------|--|--|
| Number of Tests Requested | | |
|---------------------------|--|--|

Section Chief

Date Reported _____



State of Maryland
DHMH-Laboratories Administration
Division of Environmental Chemistry
INORGANICS ANALYTICAL LABORATORY
201 W. Preston Street, Baltimore, Maryland 21201
Robert Myers, Ph.D., Director



Certificate of Analysis

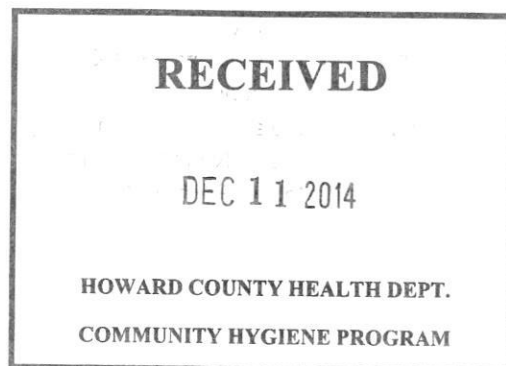
HOWARD CO ENVIRONMENTAL HLTH
8930 STANFORD BLVD
COLUMBIA, MD 21045

Lab Project NoE15001785 Date Coll. 11/17/2014 Date Received 11/17/2014 Submitted By:Shaklyar

Field ID: HC 1950 POST
Lab No.: E15001785003

| <u>Analyte</u> | <u>Method</u> | <u>Result</u> | <u>Units</u> | <u>Date Analyzed</u> |
|------------------------|---------------|---------------|--------------|----------------------|
| Chloride | SM 4500-Cl E | 306 | mg/L | 11/24/2014 |
| Total Dissolved Solids | SM 2540C | 602 | mg/L | 11/21/2014 |

Comments:



Approved by: _____

Shaklyar

Approval date: 12/09/2014

*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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Send Report To:

State of Maryland
DHMH - Laboratories Administration
Division of Environmental Chemistry

ENVIRONMENTAL METALS SECTION
201 W. Preston Street, Baltimore, Maryland 21201

Lab No. Date Received



E15002053001

Received: 12/22/2014

Metals

HC1950Pre

Howard County Health Department
Bureau of Environmental Health
8930 Stanford Blvd.
Columbia, Maryland 21045

LABORATORY ANALYSIS REQUEST
Please Print

Sample ID No: HCI950PRE Site Name: Tim Titcumb County: Howard

Sample Source: 1950 Saint James Road, Marriottsville Collector: Hank Oswald
Street Town or City Name

Date Collected: 12/22/2014 Time Collected: 10 a.m. p.m. Phone #: (410) 313-1786

Sample Preserved By: ☐ Field ☐ ESRL ☐ Central Lab

Preservative Used: ☒ HNO₃ pH 2.0 12-22-14 SAY

Sample Type: ☒ Drinking Water ☐ Landfill ☒ Source (Raw Water) ☐ Liquid
☐ Community ☐ Stream ☐ Distribution (Treated) ☐ Solid
☐ 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: Sample taken from pressure tank

| ✓ | 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>71.2</u> | | Potassium (K) | |
| | Thallium (Tl) | | | Uranium (U) | |

RECEIVED

Lab Supervisor: Sandra Kline

Date Reported: JAN 12 2015

DHMH 4432 (7/10)

•Phone: (410) 767 - 6186

•Fax: (410) 333 - 5122

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HOWARD COUNTY HEALTH DEPT.
COMMUNITY HYGIENE PROGRAM



State of Maryland
DHMH-Laboratories Administration
Division of Environmental Chemistry
TRACE METALS LABORATORY
201 W. Preston Street, Baltimore, Maryland 21201
Robert Myers, Ph.D., Director



Certificate of Analysis

HOWARD CO ENVIRONMENTAL HLTH
8930 STANFORD BLVD
COLUMBIA, MD 21045

Lab Project No: E15002053 Date Coll.: 12/22/2014 Date Received: 12/22/2014 Submitted By: OSWALD

Field ID: HC1950Pre
Lab No.: E15002053001

| <u>Method</u> | <u>Element</u> | <u>Result</u> | <u>Units</u> | <u>Date Analyzed</u> |
|---------------|----------------|---------------|--------------|----------------------|
| EPA 200.7 | Sodium | 71.24 | ppm | 12/30/2014 |

RECEIVED

JAN 12 2015

HOWARD COUNTY HEALTH DEPT.
COMMUNITY HYGIENE PROGRAM

Comments:

Approved by: Sadia Muneer

Approval date: 01/08/2015

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Telephone: (410) 767 - 6944

Fax: (410) 728-7055

S:\EnviroFinal-Metals.rpt

Send Report To:
Howard County Health Department
Bureau of Environmental Health
8930 Stanford Blvd.
Columbia, Maryland 21045

DEPARTMENT OF HEALTH AND MENTAL HYGIENE
Laboratories Administration
201 W. Preston St.
P.O. Box 2355, Baltimore, Maryland 21203
Robert A. Myers, Ph. D., Director

Laboratories Administration
201 W. Preston St
P.O. Box 2355, Baltimore, Maryland 21203
Robert A. Myers, Ph. D., Director



Received: 12/22/2014

Inorganic

HV 1950PRE

| | | | | | | | |
|-----------------|---------------------------------------|------|-------------|--------------------|-----------------------------|-------------|----|
| Bottle Number | HC 1950PRE | Name | Tim Titcomb | County | Howard | County Code | 13 |
| Location | 1950 Saint James Road, marriottsville | | | Data Category Code | 4F | | |
| Collected: Date | 12/22/14 | Time | 10 AM | Collector & Phone | Hark Oswald 410-313-1786 | | |
| Submitter Code | | | | | | | |

| | |
|--|---|
| CHECK (one per box) | |
| Drinking Water <input checked="" type="checkbox"/> Landfill <input type="checkbox"/> Stream <input type="checkbox"/> Other <input type="checkbox"/> | Community <input type="checkbox"/> Non-community <input type="checkbox"/> Private <input checked="" type="checkbox"/> Other <input type="checkbox"/> |

| | |
|---|---|
| Source (raw water) <input checked="" type="checkbox"/> Distribution (treated) <input type="checkbox"/> MCL <input type="checkbox"/> | Emergency <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Recheck <input type="checkbox"/> Special <input type="checkbox"/> |
|---|---|

| | |
|-----------------|--|
| Federal Project | |
|-----------------|--|

| | | | | | | | | | | |
|-------|--|---|------------------|---|--------------------|-------------------------------------|----------------------|---|--------------|--|
| FIELD | Plant No. | <div><div></div><div></div><div></div><div></div></div> | Sampling Station | <div><div></div><div></div><div></div><div></div></div> | Preservation: Iced | <input checked="" type="checkbox"/> | Acid | <input type="checkbox"/> | Type of Acid | |
| | pH | <div><div></div><div>60</div></div> | Chlorine: Free | <div><div>00</div><div></div></div> | Total | <div><div>00</div><div></div></div> | Specific Conductance | <div><div></div><div></div><div></div><div></div></div> | | |
| | Notes to Lab/Remarks: <u>Sample taken from pressure tank</u> | | | | | | | | | |
| | | | | | | | | | | |

[illegible]

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COMMUNITY HYGIENE PROGRAM

* Results reported in Units, all others in milligrams per liter (ppm)

Number of Tests Requested

Section Chief

Date
Reported



State of Maryland
DHMH-Laboratories Administration
Division of Environmental Chemistry
INORGANICS ANALYTICAL LABORATORY
201 W. Preston Street, Baltimore, Maryland 21201
Robert Myers, Ph.D., Director



Certificate of Analysis

HOWARD CO ENVIRONMENTAL HLTH
8930 STANFORD BLVD
COLUMBIA, MD 21045

Lab Project NoE15002050 Date Coll. 12/22/2014 Date Received 12/22/2014 Submitted By: H. Oswald

Field ID: HV 1950PRE
Lab No.: E15002050001

| <u>Analyte</u> | <u>Method</u> | <u>Result</u> | <u>Units</u> | <u>Date Analyzed</u> |
|------------------------|---------------|---------------|--------------|----------------------|
| Chloride | SM 4500-Cl E | 302 | mg/L | 12/29/2014 |
| Total Dissolved Solids | SM 2540C | 552 | mg/L | 12/26/2014 |

Comments:

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HOWARD COUNTY HEALTH DEPT.
COMMUNITY HYGIENE PROGRAM

Approved by: *Shahen Aruti*

Approval date: 01/05/2015

*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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Send Report To:

State of Maryland
DHMH - Laboratories Administration
Division of Environmental Chemistry
ENVIRONMENTAL METALS SECTION
201 W. Preston Street, Baltimore, Maryland 21201

Lab No. Date Received



E15002053002

Received: 12/22/2014

Metals

HC1950Post

Howard County Health Department
Bureau of Environmental Health
8930 Stanford Blvd.
Columbia, Maryland 21045

LABORATORY ANALYSIS REQUEST

Please Print

Sample ID No: HC1950 ^{POST} Site Name: Tim Titcomb County: Howard

Sample Source: 1950 Saint James Road, Marrothsville Collector: Hank Oswald
Street Town or City Name

Date Collected: 12/22/14 Time Collected: 10 a.m. p.m. Phone #: (410) 313-1786

Sample Preserved By: ☐ Field ☐ ESRL ☐ Central Lab

Preservative Used: ☒ HNO₃ pH 2.0 12-22-14 SAY

Sample Type: ☒ Drinking Water ☐ Landfill ☒ Source (Raw Water) ☐ Liquid
☐ Community ☐ Stream ☒ Distribution (Treated) ☐ Solid
☐ 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: Sample taken from powder room on 3rd fl

| ✓ | 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) | 70.2 | | Potassium (K) | |
| | Thallium (Tl) | | | Uranium (U) | |

Lab Supervisor: Sadia Muneem

Date Reported: 1/12/2015

• Phone: (410) 767-6186

• Fax: (410) 333-5122

DHMH 4432 (7/10)

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State of Maryland
DHMH-Laboratories Administration
Division of Environmental Chemistry
TRACE METALS LABORATORY
201 W. Preston Street, Baltimore, Maryland 21201
Robert Myers, Ph.D., Director



Certificate of Analysis

HOWARD CO ENVIRONMENTAL HLTH
8930 STANFORD BLVD
COLUMBIA, MD 21045

Lab Project No: E15002053 Date Coll.: 12/22/2014 Date Received: 12/22/2014 Submitted By: OSWALD

Field ID: HC1950Post
Lab No.: E15002053002

| <u>Method</u> | <u>Element</u> | <u>Result</u> | <u>Units</u> | <u>Date Analyzed</u> |
|---------------|----------------|---------------|--------------|----------------------|
| EPA 200.7 | Sodium | 70.15 | ppm | 12/30/2014 |

Comments:

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HOWARD COUNTY HEALTH DEPT.
COMMUNITY HYGIENE PROGRAM

Approved by: Sadia Muneeb

Approval date: 01/08/2015

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

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Telephone: (410) 767 - 6944

Fax: (410) 728-7055

S:\EnviroFinal-Metals.rpt

Send Report To:
Howard County Health Department
Bureau of Environmental Health
8930 Stanford Blvd.
Columbia, Maryland 21045

Received: 12/22/2014

HC 1950POST

| | | | | | | | | | | |
|-------|---|---|------------------|---|--------------------|---------------------------------------|----------------------|---|--------------|--|
| FIELD | Plant No. | <div></div> <div></div> <div></div> <div></div> | Sampling Station | <div></div> <div></div> <div></div> <div></div> | Preservation: Iced | <input checked="" type="checkbox"/> | Acid | <input type="checkbox"/> | Type of Acid | |
| | pH | <div></div> <div>6</div> <div>0</div> | Chlorine: Free | <div></div> <div>0</div> <div>0</div> | Total | <div></div> <div>0</div> <div>0</div> | Specific Conductance | <div></div> <div></div> <div></div> <div></div> <div></div> | | |
| | Notes to Lab/Remarks: <u>Sample taken from powder room on 1st fl.</u> | | | | | | | | | |
| | | | | | | | | | | |

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~~JAN 7 2015~~

HOWARD COUNTY HEALTH DEPT.

~~COMMUNITY HYGIENE PROGRAM~~

Number of Tests Requested

Reported



State of Maryland
DHMH-Laboratories Administration
Division of Environmental Chemistry
INORGANICS ANALYTICAL LABORATORY
201 W. Preston Street, Baltimore, Maryland 21201
Robert Myers, Ph.D., Director



Certificate of Analysis

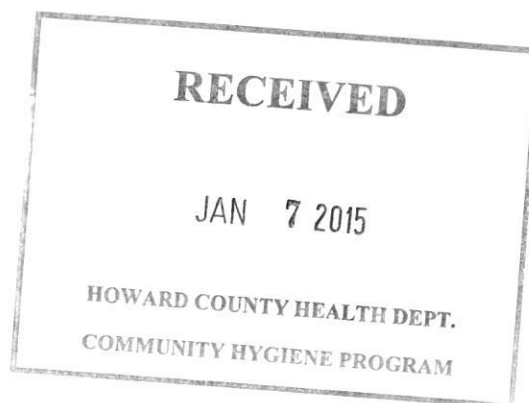
HOWARD CO ENVIRONMENTAL HLTH
8930 STANFORD BLVD
COLUMBIA, MD 21045

Lab Project NoE15002050 Date Coll. 12/22/2014 Date Received 12/22/2014 Submitted By: H. Oswald

Field ID: HC 1950POST
Lab No.: E15002050002

| <u>Analyte</u> | <u>Method</u> | <u>Result</u> | <u>Units</u> | <u>Date Analyzed</u> |
|------------------------|---------------|---------------|--------------|----------------------|
| Chloride | SM 4500-Cl E | 307 | mg/L | 12/29/2014 |
| Total Dissolved Solids | SM 2540C | 563 | mg/L | 12/26/2014 |

Comments:



Approved by:

Approval date: 01/05/2015

*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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