



North Carolina State Laboratory Public Health
Environmental Sciences

Microbiology
Certificate of Analysis

P.O. Box 28047
306 N. Wilmington St.
Raleigh, NC 27611-8047
<http://slph.ncpublichealth.com>
Phone: 919-733-7834
Fax: 919-733-8695

Report To:

HARNETT CO ENVIRONMENTAL HEALTH

307 CORNELIUS HARNETT BLVD
LILLINGTON, NC 27546
EIN:566000306EH

Name of System:

JONATHAN TURLINGTON

MCLAMB RD.
COATS, NC 27521

StarLiMS Sample ID: ES093010-0082001



Collected: 09/29/2010 15:43

Received: 09/30/2010 09:12

Bryan McSwain
Angela Heybroek

ES Microbiology ID: 21118

GPS Number:

Sample Source: New Well

Sampling Point: Spigot @ well

Well Permit Number:

09-5-23172

Sample Description:

Comment:

Environmental Microbiology - Colilert Profile

Method: SM 9223B

Test Name: Colilert

Analyte	Test Result	Analyst	Date
Total Coliform, Colilert	Present	Darneice Lyons	10/01/2010
<i>E. coli</i> , Colilert	Absent	Darneice Lyons	10/01/2010

Report Date: 10/05/2010

Reported By: Joy Hayes

Explanations of Coliform Analysis:

If coliform bacteria are **Absent**, the water is considered safe for drinking purpose. If coliform bacteria are **Present**, the water is considered unsafe for drinking purpose. Presence of *E. coli* (bacteria) generally indicates that the water has been contaminated with fecal material. It must be remembered that a water analysis refers only to the sample received and should not be regarded as a complete report on the water supply.

Harnett County Government Complex
307 Cornelius Harnett Boulevard
Lillington, NC 27546

October 13, 2010

ph: 910-893-7547
fax: 910-893-9371

Jonathan Turlington
595 McLamb Road
Coats, NC 27521

RE: Bacteriological water sample collected at: *the above address*
For: New Well Completion #09-5-23172

Dear Mr. Turlington,

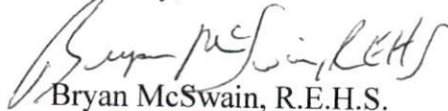
The report of your water sample taken for your new well, revealed the presence of total coliform. A copy of the water sample report is enclosed.

The enclosed pamphlet provides specific directions about how to disinfect the well. If you have any questions, contact the Aquifer Protection Section at the Fayetteville Regional Office at (910) 433-3300 or contact me at (910) 893-7547.

As soon as the well has been treated, contact the Harnett County Division of Environmental Health so another sample can be taken. No fee will be charged for a second sample if the request is made within thirty (30) days of this letter. After thirty (30) days, the fee for a second sample is \$25.00.

If you have any questions, please call me Monday through Friday between 8:00 and 9:00 a.m. at (910) 893-7547.

Sincerely,



Bryan McSwain, R.E.H.S.
Environmental Health OSWW Program Specialist
Environmental Health Section
Harnett County Department of Public Health

BM/sgs

Enclosures: Water Sample Report



North Carolina State Laboratory of Public Health
Environmental Sciences
Inorganic Chemistry
Certificate of Analysis

P.O. Box 28047
306 N. Wilmington St.
Raleigh, NC 27611-8047
<http://slph.ncpublichealth.com>
Phone: 919-733-7834
Fax: 919-733-8695

Report To: **BRYAN McSWAIN**

Name of System:

HARNETT CO ENVIRONMENTAL HEALTH

JONATHAN TURLINGTON

**307 CORNELIUS HARNETT BLVD
LILLINGTON, NC 27546
EIN: 566000306EH**

Courier # 14-73-01

**MCLAMB RD
COATS, NC 27521**

StarLiMS ID: **ES093010-0052001**

Date Collected: 09/29/10

Time Collected: 3:43 PM

Date Received: 09/30/10

Collected By: Bryan McSwain

Sample Type:
Sample Source: New Well

Sampling Point: Spigot @ well
Temp. at Receipt: 6.5

Well Permit #: 09-5-23172
GPS #:

Sample Description:
Comment:

New Well I (Profile)

Analyte	Result	Allowable Limit	Unit	Qualifier(s)
Arsenic	< 0.005	0.010	mg/L	
Barium	0.2	2.00	mg/L	
Cadmium	< 0.001	0.005	mg/L	
Calcium	10		mg/L	
Chloride	< 5.00	250	mg/L	
Chromium	< 0.01	0.10	mg/L	
Copper	< 0.05	1.3	mg/L	
Fluoride	< 0.20	2.00	mg/L	
Iron	1.20	0.30	mg/L	
Lead	< 0.005	0.015	mg/L	
Magnesium	8		mg/L	
Manganese	0.37	0.05	mg/L	
Mercury	< 0.0005	0.002	mg/L	
Nitrate	< 1.00	10.00	mg/L	
Nitrite	< 0.10	1.00	mg/L	
pH	7.3		N/A	
Selenium	< 0.005	0.05	mg/L	
Silver	< 0.05	0.10	mg/L	
Sodium	8.50		mg/L	
Sulfate	6.40	250	mg/L	
Total Alkalinity	76		mg/L	
Total Hardness	59		mg/L	
Zinc	< 0.05	5.00	mg/L	

Report Date: 10/15/2010

Reported By: Debbie Moncol

North Carolina Division of Public Health
Occupational and Environmental Epidemiology Branch, Epidemiology Section
INORGANIC CHEMICAL ANALYSIS REPORT
Private well water information and recommendations

County: Harnett Name: Turlington Sample Id Number: 52001
 Location: _____ Reviewer: LMK

ANALYSIS REPORT

Your well water was tested for 15 metals, plus nitrates, nitrites, and pH. The results were evaluated using the federal drinking water standards. The pH is a measure of the acidity of the water. Drinking water may contain substances that can occur naturally in water or can be introduced into the water from man-made sources. (These recommendations are based on inorganic chemical analysis only.)

TEST RESULTS AND USE RECOMMENDATIONS

_____ Your well water meets federal drinking water standards. Your water can be used for drinking, cooking, washing, cleaning, bathing, and showering.

_____ The following substance(s) exceeded federal drinking water standards. Your water can be used for drinking, cooking, washing, cleaning, bathing, and showering, but aesthetic problems such as bad taste, odor, staining of porcelain, etc. may occur. You may want to install a household water treatment system to address aesthetic problems.

Barium	Cadmium	Chromium	Fluoride	Iron	Magnesium
Manganese	Selenium	Silver	Sodium	Zinc	pH

✓ _____ The following substance(s) exceeded federal drinking water standards: We recommend that your well water not be used for drinking or cooking, unless you install a water treatment system to remove the circled substance(s). However, it may be used for washing, cleaning, bathing, and showering.

Arsenic	Barium	Cadmium	Chromium	Copper	Fluoride	Lead	Iron	Magnesium
<u>Manganese</u>	Mercury	Nitrate/Nitrite	Selenium	Silver	Sodium	Zinc	pH	

_____ Re-sampling is recommended in _____ months.

_____ Re-sample for lead and /or copper. Take a first draw, 5 minute, and 15 minute sample inside the house (preferably the kitchen) and if possible a first draw, 5 minute and a 15 minute sample at the well head to determine the source of the lead and/or copper. Contact your local health department for re-sampling assistance.

OTHER CONSIDERATIONS

Routine well water sampling for the above substances is recommended every two to three years. Sample your well water when there is a known problem or contamination in your area, after repairs or replacement of your well, or after a flooding event. Contact your local health department for sampling instructions.

Contact your local health department for more information or go to <http://www.epi.state.nc/epi/oll/hsfactsheet.html>