



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:

JAMES & JERRYLINE ALSTON

146 HOBSON RD
DUNN, NC 28334

StarLiMS Sample ID: ES071211-0069001



Collected: 07/11/2011 11:30

Received: 07/12/2011 08:58

James E Manhart

Angela Heybroek

ES Microbiology ID: 28518

GPS Number:

Sample Source: New Well

Sampling Point: Outside well head

Well Permit Number:

11-5-26417R

Sample Description:

Comment:

Environmental Microbiology - Colilert Profile

Method: SM 9223B

Test Name: Colilert

Analyte	Test Result	Analyst	Date
Total Coliform, Colilert	Present	Susan Beasley	07/13/2011
<i>E. coli</i> , Colilert	Absent	Susan Beasley	07/13/2011

Report Date: 07/14/2011

Reported By: Susan Beasley

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.



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Report To:

HARNETT CO ENVIRONMENTAL HEALTH

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

COURIER #: 14-73-01

Name of System:

JAMES & JENNY LING ALSTON

HOBSON RD.
DUNN, NC 28334

StarLiMS Sample ID: **ES083011-0032001**



Collected: 08/29/2011 10:00

Received: 08/30/2011 07:41

JEM

Joy Hayes

ES Microbiology ID: **29968**

GPS Number:

Sample Source: **Well**

Sampling Point: **Well head**

Well Permit Number:

Sample Description:

Comment:

Environmental Microbiology - Colilert Profile

Method: SM 9223B

Test Name: Colilert

Analyte	Test Result	Analyst	Date
Total Coliform, Colilert	Absent	Darneice Lyons	08/31/2011
<i>E. coli</i> , Colilert	Absent	Darneice Lyons	08/31/2011

Report Date: 09/01/2011

Reported By: Susan Beasley

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

August 25, 2011

ph: 910-893-7547

fax: 910-893-9371

James & Jerryline Alston
146 Hobson Road
Dunn, NC 28334

FINAL RESULTS

**RE: Inorganic sample collected at: the above address
New Well Construction Permit Application #11-5-26417R**

Mr. & Mrs. Alston,

Enclosed is the last report from the state lab which concludes the analysis of your well water. The bacteriological report for your water sample taken for your new well construction revealed the presence of total coliform, colilert. A copy of the water sample report was sent to you July 18, 2011 along with instructions to treat your well and call for a recheck.

We had asked that you treat the well, and within 30 days, to call our office for a resample so as not to incur a \$25.00 fee. We never received word from you regarding your wishes.

In the meantime, please contact our office if you decide to treat your well and would like to have the water sampled. Please follow the directions that were previously sent to you.

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

Sincerely,

James E. Manhart, III, R.E.H.S.
Environmental Health Specialist
Harnett County Department of Public Health

JEM/sgs

Enclosures: Inorganic Chemical Analysis Report with Use Recommendations



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

July 18, 2011

Inorganic Rec'd 7/25/11

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

James & Jerryline Alston
146 Hobson Road
Dunn, NC 28334

**RE: Bacteriological water sample collected at: the above address
New Well Construction Permit Application #11-5-26417R**

Mr. & Mrs. Alston,

One of the reports for your water sample taken for your new well construction revealed the presence of total coliform, colilert. A copy of the water sample report is enclosed. As soon as the other report is received from the state lab we will forward to you. In the meantime please read the following:

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.

NOREPLY

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

Sincerely,

James E. Manhart, III, R.E.H.S.
Environmental Health Specialist
Harnett County Department of Public Health

JEM/sgs

Enclosures: Water Sample Report
How to Disinfect Your Water Well



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Environmental Sciences
Inorganic Chemistry
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Report To: JAMES MANHART III

Name of System:

HARNETT CO ENVIRONMENTAL HEALTH

JAMES & JERRYLINE ALSTON

307 CORNELIUS HARNETT BLVD

LILLINGTON, NC 27546

EIN: 566000306EH

Courier # 14-73-01

146 HOBSON RD

DUNN, NC 28334

StarLiMS ID: ES071211-0030001

Date Collected: 07/11/11

Time Collected: 11:30 AM

Date Received: 07/12/11

Collected By: James E Manhart

Sample Type:
Sample Source: New Well

Sampling Point: Outside well head
Temp. at Receipt: 9.5

Well Permit #: 11-5-26417R
GPS #:

Sample Description:

Comment:

New Well I (Profile)

Analyte	Result	Allowable Limit	Unit	Qualifier(s)
Arsenic	< 0.005	0.010	mg/L	
Barium	< 0.1	2.00	mg/L	
Cadmium	< 0.001	0.005	mg/L	
Calcium	1		mg/L	
Chloride	7.00	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	0.69	0.30	mg/L	
Lead	< 0.005	0.015	mg/L	
Magnesium	2		mg/L	
Manganese	< 0.03	0.05	mg/L	
Mercury	< 0.0005	0.002	mg/L	
Nitrate	1.90	10.00	mg/L	
Nitrite	< 0.10	1.00	mg/L	
pH	5.1		N/A	
Selenium	< 0.005	0.05	mg/L	
Silver	< 0.05	0.10	mg/L	
Sodium	3.70		mg/L	
Sulfate	7.30	250	mg/L	
Total Alkalinity	2		mg/L	
Total Hardness	11		mg/L	
Zinc	< 0.05	5.00	mg/L	

Report Date: 07/20/2011

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: Alston Sample Id Number: 30001
Location: _____ Reviewer: KMR

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 manmade sources.

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	<u>Iron</u>	Magnesium
Manganese	Selenium	Silver	Sodium	Zinc	<u>pH</u>

The following substance(s) exceeded federal drinking water standards. We recommend that your well water not be used for drinking and 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
Manganese	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.

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.

For further information please contact your county health department or the Occupational and Environmental Epidemiology Branch at 919-707-5900.