



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.state.nc.us>
Phone: 919-733-7834
Fax: 919-733-8695

Report To:

HARNETT CO ENVIRONMENTAL HEALTH

307 CORNELIUS HARNETT BLVD
LILLINGTON, NC 27546

Name of System:

HAROLD B JERNIGAN

78 HELEN LANE
DUNN, NC 28334

StarLiMS Sample ID: ES030910-0056001



Collected: 03/08/2010 11:14

Received: 03/09/2010 08:03

Bryan McSwain

Angela Heybroek

ES Microbiology ID: 14458

GPS Number:

Sample Source: Well

Sampling Point: Spigot @ well

Well Permit Number:

Sample Description:

Comment:

Environmental Microbiology - Colilert Profile

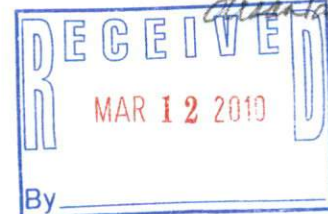
Method: SM 9223B

Test Name: Colilert

Analyte	Test Result	Analyst	Date
Total Coliform, Colilert	Absent	Joy Hayes	03/10/2010
E. coli, Colilert	Absent	Joy Hayes	03/10/2010

Report Date: 03/10/2010

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.

Explanations

Coliform Analysis:

If coliform bacteria are Absent, the water is considered safe for drinking purposes. If coliform bacteria are Present, the water is considered unsafe for drinking purposes. 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.

Inorganic Analysis:

Recommended limits for drinking water. Sample should not exceed levels listed below.

Alkalinity	No established limits	Iron	0.30 mg/l
Arsenic	0.01 mg/l	Lead	0.015 mg/l
Calcium	No established limits	Magnesium	No established limits
Chloride	250 mg/l	Manganese	0.05 mg/l
Copper	1.3 mg/l	Nitrate	10 mg/l (as N)
Fluoride	4 mg/l	Nitrite	1.0 mg/l (as N)
Hardness	No established limits	pH	Not less than 6.5 units
		Zinc	5.0 mg/l



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Report To:

HARNETT CO ENVIRONMENTAL HEALTH

307 CORNELIUS HARNETT BLVD
LILLINGTON, NC 27546

Name of System:

Harlod Jernigan

91 Helen Ln
DUNN, NC 28334

StarLiMS Sample ID: **ES010710-0032001**



Collected: 01/06/2010 14:00
Received: 01/07/2010 08:29

Bryan McSwain
Angela Heybroek

ES Microbiology ID: **12690**
GPS Number:

Sample Source: **New Well**
Sampling Point: **Spigot @ well**

Well Permit Number:
09-5-23241

Sample Description:
Comment:

Environmental Microbiology - Colilert Profile

Method: SM 9223B

Test Name: Colilert

Analyte	Test Result	Analyst	Date
Total Coliform, Colilert	Present	Darneice Lyons	01/08/2010
E. coli, Colilert	Absent	Darneice Lyons	01/08/2010

Report Date: 01/11/2010

Reported By: **Susan Beasley**

Explanations

Coliform Analysis:

If coliform bacteria are Absent, the water is considered safe for drinking purposes. If coliform bacteria are Present, the water is considered unsafe for drinking purposes. 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.

Inorganic Analysis:

Recommended limits for drinking water. Sample should not exceed levels listed below.

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Calcium	No established limits	Magnesium	No established limits
Chloride	250 mg/l	Manganese	0.05 mg/l
Copper	1.3 mg/l	Nitrate	10 mg/l (as N)
Fluoride	4 mg/l	Nitrite	1.0 mg/l (as N)
Hardness	No established limits	pH	Not less than 6.5 units
		Zinc	5.0 mg/l

MAN 12 2010



February 3, 2010

Harold B Jernigan
78 Helen Lane
Dunn, NC 28334

*2/26/10 - Mr. Jernigan
called & is ready
for re-check
3/8/10 - hold for re-check results
sample taken today*

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

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

**RE: Bacteriological water sample collected on January 6, 2010
For New Well Completion Permit #09-5-23241**

Dear Mr. Jernigan,

The report of your water sample taken for **Harold B. Jernigan, property location of 91 Helen Lane, Dunn, NC**, revealed the presence of coliform bacteria. 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 Specialist
Harnett County Department of Public Health

BM/sgs

Enclosures: Water Sample Report
How to Disinfect Your Water Well