




North Carolina Department of Health and Human Services
Division of Public Health

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TO: Environmental Health Specialists
North Carolina Local Health Departments

FROM: Dr. Scott Zimmerman, Director 
NC State Laboratory of Public Health

DATE: August 20, 2015

Thank you for your many comments and concerns related to the SFY15 NCSLPH Well Water Testing Fee Schedule. In response to your correspondence, NCSLPH has assembled information that is attached to this memorandum to clarify the new fee schedule and associated testing panels that have been developed.

Effective SFY15, NCSLPH will maintain one (1) Well Water Testing Fee Schedule that is comprised of various options for testing through clearly defined panels. The SFY15 Fee Schedule will be applied to all Well Water testing (i.e., both existing well and new well water testing) and there will be one (1) Well Water sampling kit per panel for both existing and new well water sampling. The Full Well Water Panel includes the Inorganic Chemistry analytes, including nitrate/nitrite, and the Total Coliform/*E. coli* test performed in our Microbiology laboratory. The fee for this testing is \$74.00 and is the first listing on the Fee Schedule.

Since some health departments are staffed with certified laboratories to perform the microbiological testing and/or Nitrate/Nitrite analyses, two new panels have been added, one with the Inorganic Chemistry analytes plus Nitrate/Nitrite and one without. These new categories are under the Inorganic Chemistry laboratory group on the fee schedule.

New sample submittal forms have been created and will correspond with the various test panels on the fee schedule; these forms will be shipped as part of the kit. The components of the kits will vary based on the selected panel, but will be a combination of the containers currently in use, including 100 mL sterile bottle, cubitainers, plastic tubes, VOA vials, amber bottles, and where applicable ice packs.

Every effort is being made by our staff to make this transition as smooth as possible. Please feel free to contact Cindy Price, Environmental Sciences Manager, at 919.807.8845 or at cindy.price@dhhs.nc.gov if you have questions.

Thanks.

Enclosures



State Laboratory of Public Health

Environmental Sciences well-water testing FY15 fee schedule

Category	FY15 Fee
Full Well Panel	
Inorganic Chemistry and Microbiology	\$ 74
Microbiology	
Total Coliform/ <i>E. coli</i> , P/A – Enzymatic	\$ 23
Total Coliform/ <i>E. coli</i> MPN - Enzymatic	\$ 26
Fecal Coliform, MPN (Quantitray) – Enzymatic	\$ 26
Fecal Coliform/Fecal Streptococcus – MTF	\$ 45
Enterococcus, MPN (Quantitray) – Enzymatic	\$ 26
Iron Bacteria	\$ 28
Sulfur/Sulfate – Reducing bacteria	\$ 35
Pseudomonas – MTF or MPN (Quantitray) Enzymatic	\$ 26
Heterotrophic Plate Count	\$ 20
Inorganic Chemistry	
Inorganic Panel (Metals, Anions, Nitrate/Nitrite)	\$ 65
Inorganic Panel (Metals, Anions)	\$ 60
Metals Panel	\$ 55
Individual Metals (1 – 3 maximum from above, plus Uranium)	\$ 40
Anions – Fluoride, Chloride, and Sulfate	\$ 25
Disinfection By-Products – Bromide, Bromate, Chlorite, Chlorate	\$ 25
Fluoride – Physician, Dentist	\$ 25
Nitrate/Nitrite	\$ 25
Arsenic speciation	\$ 25
Organic Chemistry	
Pesticides	\$ 74
Herbicides	\$ 74
Petroleum Products	\$ 74
Volatile Organic Chemicals	\$ 74
All Laboratories	
Other testing	Contact Environmental Sciences laboratory management 919-733-7308

State Laboratory of Public Health – Environmental Sciences Unit

Well-water testing profiles

Full Well Panel – Microbiology and Inorganic Chemistry

Category	Description
Full Panel	Alkalinity, Arsenic, Barium, Cadmium, Calcium, Chromium, Nitrate/Nitrite, Chloride, Copper, Fluoride, Hardness (Total), Iron, Lead, Manganese, Magnesium, Mercury, pH, Selenium, Silver, Sodium, Sulfate, Zinc, Total Coliform/ <i>E. coli</i>

Microbiology

Category	Description
Total Coliform/ <i>E. coli</i> , P/A	Presence/Absence testing using an enzymatic procedure.
Total Coliform/ <i>E. coli</i> MPN	Enzymatic procedure using the Quantitray system.
Fecal Coliform, MPN (Quantitray)	Enzymatic procedure using the Quantitray system. This method does not determine the number of Total Coliform present in the sample.
Fecal Coliform/Fecal Streptococcus – MTF	Cultural methods using serial dilutions.
Enterococcus, MPN (Quantitray) – Enzymatic	Enzymatic procedure using the Quantitray system.
Iron Bacteria	Centrifugation followed by a microscopic examination.
Sulfur/Sulfate – Reducing bacteria	Presence/Absence testing for sulfur bacteria and for sulfate-reducing bacteria. This method requires a 30-day incubation period.
Pseudomonas – MTF or MPN (Quantitray) Enzymatic	Quantitative determination of the number of Pseudomonas present in a sample using either the Quantitray MPN or cultural MTF.
Heterotrophic Plate Count	Direct plating of multiple sample dilutions.

Other testing: Contact Environmental Sciences laboratory management 919-733-7308

P/A = Presence/Absence

MPN and MTF = Most Probable Number and Multiple Tube Fermentation – quantitative techniques

Inorganic Chemistry

Category	Description
Full Inorganic Panel	Alkalinity, Arsenic, Barium, Cadmium, Calcium, Chloride, Chromium, Nitrate/Nitrite, Copper, Fluoride, Hardness (Total), Iron, Lead, Manganese, Magnesium, Mercury, pH, Selenium, Silver, Sodium, Sulfate, Zinc
Inorganic Panel without Nitrate/Nitrite	Alkalinity, Arsenic, Barium, Cadmium, Calcium, Chloride, Chromium, Copper, Fluoride, Hardness (Total), Iron, Lead, Manganese, Magnesium, Mercury, pH, Selenium, Silver, Sodium, Sulfate, Zinc
Metals panel	Arsenic, Barium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Manganese, Magnesium, Mercury, Selenium, Silver, Sodium, Zinc
Individual metals	1 – 3 maximum from above, with the addition of Uranium to the sample selection
Anions	Fluoride, Chloride, and Sulfate
Disinfection By-Products	Bromide, Bromate, Chlorite, Chlorate
Fluoride only – Physician, Dentist	Fluoride
Nitrate/Nitrite only	Nitrate, Nitrite
Arsenic speciation	Arsenic ⁺³ and Arsenic ⁺⁵ – Total arsenic must have been previously determined and found to be ≥ 10 ppb.

Other testing: Contact Environmental Sciences laboratory management 919-733-7308

Organic Chemistry

Category	Description
Pesticides	Chlorinated pesticides, Nitrogen-phosphorous pesticides or Glyphosate
Herbicides	Chlorinated acid herbicides
Petroleum Products	Petroleum Analysis and VOC scan
Volatile Organic Chemicals (VOC)	Volatile Organic Compounds

Other testing: Contact Environmental Sciences laboratory management 919-733-7308