

Livestock Drinking Water Sample Submission Form

Agricultural Analytical Services Laboratory

<p><i>Your name and contact information:</i></p> <p>Name: _____</p> <p>Company: _____</p> <p>Address: _____</p> <p>City: _____</p> <p>State: _____ ZIP: _____</p> <p>Telephone: _____</p> <p>Fax: _____</p> <p>Email: _____</p> <p>ZIP code: _____ <i>(where sample was collected if different from above)</i></p> <p><input type="checkbox"/> <i>Hard copy report required:</i> If email addresses are listed, the lab will automatically email all lab results. Check this box if you require a hard copy lab report.</p>	<p><i>Additional individual, if any, to receive copy of results:</i></p> <p>Name: _____</p> <p>Company: _____</p> <p>Address: _____</p> <p>City: _____</p> <p>State: _____ ZIP: _____</p> <p>Telephone: _____</p> <p>Fax: _____</p> <p>Email: _____</p>
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Sample Information

Sample identification: _____ Date sampled: _____ Time sampled: _____ AM
(Identification for your own use to be printed on report) *(Date and time sampled must be completed)* PM

What is your water source?
 Well Spring Stream
 Other *(please specify):* _____

How was this water sample obtained?
 Faucet Tank Direct from source
 Other *(please specify):* _____

Water sample is *(check one)*: Treated Raw (untreated)
 If treated, please specify treatment *(check all that apply)*:
 Water softener Disinfection Carbon filter Iron filter Reverse osmosis filter
 Acid neutralization Other *(please specify):* _____

If you are submitting your water sample because of a specific concern, please specify *(check all that apply)*:
 No specific concern Animal health concern Productivity concern
 Other *(please specify):* _____

Livestock consuming water *(check all that apply)*:
 Dairy Swine Poultry Beef Veal calves Other livestock: _____

If water supplies dairy, please complete this section.
 Water supplies *(check all that apply)*: Milk house Lactating cows Dry cows Heifers
 Average milk production: _____ lb/cow/day Fat content: _____% Protein content: _____%
 Water intake (if known): _____ average gallons/cow/day
 Water intake is based on: Estimate Water meter

Analysis Request

ID	Package	Description	Cost
<input type="checkbox"/> WL01	Basic Livestock Water Package	Includes tests for pH, total dissolved solids, nitrate-nitrogen, calcium, copper, iron, manganese, magnesium, sodium, chloride, sulfate, and hardness	\$50.00
<input type="checkbox"/> WL02	Basic Livestock Water Package Plus Bacteria	Includes all tests in basic livestock water package plus total coliform bacteria and <i>E. coli</i>	\$75.00

Sample Receipt (lab use only)

# of containers: _____	Container(s) in good condition? _____	Sample cooled or on ice? _____	Ice melted: _____	Temp °C: _____	Data entry _____
			Y or N		

Sample Payment

Check enclosed. *(Make check payable to Penn State University)* Charge my credit card.

Cardholder's name: *(please print)* _____ Card number: _____

Cardholder's signature: _____ Expiration date: _____

HOW TO COLLECT A LIVESTOCK DRINKING WATER SAMPLE

BOTTLE FOR CHEMICAL PARAMETERS (Yellow Label): Required for all test packages:

For both the WL01 and WL02 packages, you will need to collect a water sample in the larger sample bottle with the yellow label. This bottle is used for all of the chemical analyses (pH, nitrate, iron, sulfate, etc.).

It is recommended that you collect this sample at a faucet AFTER any water treatment equipment and BEFORE any water troughs, bowls or tanks. Run the water from the faucet for five minutes. Fill the bottle to the top and screw the lid on tightly to prevent leakage. Refrigerate the sample until you are ready to send it to the laboratory.

BACTERIA SAMPLE BOTTLE (Green Label): Required for WL02 test package only

If you have selected the WL02 package, you should also collect water in the small bottle with the green label for coliform bacteria analysis. It is important that you use the correct bottle for the bacteria sample. The bottle has been sterilized and contains a reagent, sodium thiosulfate (in tablet or powder form), to prevent interference with the analysis. Do not remove the sodium thiosulfate tablet or powder.

It is recommended that you also collect the bacteria sample at a location AFTER any water treatment devices but BEFORE any water troughs, bowls or tanks. A sample collected at a faucet before a watering trough will determine the bacterial quality of the groundwater being used to water the animals. Results from this bacteria sample may indicate a problem or you may have additional concerns about possible bacterial contamination entering the watering troughs. If this occurs, you may want to follow-up this sampling with a future, additional sample taken directly from a water trough or bowl.

Turn on the faucet and allow the water to run, for about five minutes, to purge water from the plumbing and pipes to draw fresh water from the water supply (note: if you have already run the water for five minutes to collect the sample for chemical analysis above, you do not need to run the water again for this sample). It is important that you do not touch or otherwise contaminate the inside of the bottle or lid. Carefully remove the lid from the sample bottle and hold the lid by the outside. (if you touch the inside of the lid or bottle, you could contaminate the sample with bacteria). Fill the container with water to the line marked "100 mL". Screw the lid on tightly to prevent leakage.

Remember to refrigerate the samples until you are ready to send them to the laboratory. Keep in mind that water sampled for bacteria analysis must reach the laboratory within 30 hours of collection to produce accurate results.

Place all sample bottles into the cooler provided with the kit. Be sure to also fill the 2 bags with fresh ice as labeled. Place 1 bag of ice on the bottom of the cooler. Then, place all sample bottles into the large plastic bag, seal it closed and put into cooler, place the other bag of ice on top of the bag of bottles. Include completed submission form on top of the cooler inside the cardboard mailer box.

Send the sample cooler to the laboratory so that it arrives at the laboratory within 30 hours of sampling and no later than Thursday of any given week.

The Pennsylvania State University
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extension.psu.edu

For additional information, visit extension.psu.edu/water or contact the lab.

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