

Source Water Worksheet

Municipal

Well

Trucked In

All Water Sources

- Perform source water test with local extension office or water lab
- Add test results to binder
 - Name of testing entity: _____
 - Phone number: _____
 - Website: _____
 - Address: _____
 - Standard water analysis cost: _____
 - Metals cost: _____
 - Bacterial/biological cost: _____
- Test pH of water
 - pH directly out of the tap _____
 - pH after filtration (if used) _____
 - pH after 12 hours _____

If using municipal, county, co-op, neighborhood or subdivision water

- Check if water entity uses use chlorine or chloramine for sanitizing water, call or check on their website
 - Phone number _____
 - Website _____
 - Chlorine _____
 - Chloramine _____
- Check website to find information about water quality minerals and standards
 - Print out of water quality report and add to binder
- Ask about consumption and water usage for your property
 - What water usage is allowed for your property? _____

 - Any consumption limitations? Gallons per period of time? _____

- Will sewer charges apply related to water consumption? _____
- If yes, can a water meter be installed to meter water separate from sewer? _____

- Is a backflow preventer being suggested, if so, explain that water is not hard lined.

If using well water

- Is there any water quality issues that need to be further tested? _____

- Will special filtration be required? _____

- Can the water refresh rate be tested? _____
 - Refresh rate _____
- Are there any usage restrictions based on zoning, county, subdivision or land plot?

- Are there any seasonal water quality concerns? _____

- Is there any local activity or acts of nature that would be cause for future water quality concerns?
 - Mining, oil or gas drilling, fracking
 - Agriculture, farming, ranching, live stock
 - Manufacturing, refinery or industrial pollutants
 - Weather related, snow melt, flooding, hurricanes, sea swells, draught
 - Chemical spills, railyards, hazardous materials

Water Cost

Cost for water tap (new construction or upgrade) _____

Cost for water – Price per 1,000 gallons _____

Cost for sewer tap (new construction or upgrade) _____

Cost for sewer (if required) – price per 1,000 gallons _____

Cost to have water trucked in _____

Well costs _____

Source Water Filtration

Remember that water filtration only works properly when water flows through the filter at the specific gallons per minute. If water is flowing faster, the filter media will not have adequate retention time to complete the filtration process and contaminants may pass through.

Make sure that if there is bacterial or microbial elements detected during water testing that properly filtration is established to element them. Any biological element has the potential to reproduce or grow in the filter and actually increase the volume of the biological contaminant.

It is essential to follow a metered schedule with cartridge replacement which requires having a water meter and logging the number of gallons consumed.

Source water filtration is designed for municipal or well tap water. It is not designed to filter surface water, rain water or aquaponic system water.

Make sure that the water filter is installed in a place where it cannot freeze.

- Determine if a water filter is necessary based on water source and water test
- What elements are being filtered?
 - Chlorine _____
 - Chloramine _____
 - Fluoride _____
 - Heavy Metals _____
 - PCBs _____
 - Biological, bacterial or microbial _____
 - Iron (rust stains) _____
 - Pesticides, fertilizer or herbicide run-off _____
 - Pharmaceuticals _____
- Determine amount of water needing to be filtered to fill system _____

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- Determine water volume for top-off or refresh _____

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- Purchase and install a water meter onto source water tap to record water consumption
 - Choose a high quality brass tap water consumption meter with a rolling dial counter
 - Do not choose a plastic, electric, digital or cheap water meter (they break and do not record past a three to four digit number)

- Determine the right size and type of water filtration for the elements to be filtered.

Brand _____

Water filter Unit price _____

Water filter cartridges _____

Cartridge prices _____

Company purchased from _____

Ordering information _____

Number of gallons before replacement _____

- Print a copy of the source filter spec sheet and put in binder
- Purchase and install source water filter and replacement cartridges following ALL directions with the equipment and cartridges
- Determine proper storage area for replacement cartridges, filter parts and tools
- Write the date and water meter number on tape and stick it to the water filter
- Record date and water meter start number in the water meter log
- If using water from a paid source, record water bills and associated cost
- Review water meter and tape or log to determine proper time to change the cartridges