



ACRES WEST

Acres West Water Processing Systems Inc.
Priddis, Alberta

"Farm & Acreage Specialist"
Serving Calgary's Surrounding
Communities for over 18 years
www.acreswestwater.com

Water Hotline: 931-3733

ARE YOU OVER-PUMPING YOUR WATER WELL?
Has your well run dry lately?

Four Common Symptoms Associated With Most Water Well Problems:

- Reduced well yield
- Change in water quality
- Sediment in the water
- Dissolved gas in the water

One of the most common causes of well problems associated with the above symptoms is ***overpumping, caused by well users.***

Overpumping (source: Alberta Environment website)

A well is overpumped if water is withdrawn at a faster rate than the well was designed for or the aquifer is able to produce. Overpumping is the most common well problem that leads to premature well failure. Overpumping not only depletes the groundwater aquifer (or source), but it rapidly increases the rate of corrosion, incrustation and biofouling related problems. Overpumping also increases the rate of sediment particles moving toward the well, causing plugging of the perforated area where water flows into the well. It can also cause the aquifer to settle and compact which further restricts water flow to the well. If you are pumping water at a rate close to the well's capacity, excessive pump cycling can increase the problem of biofouling.

How to correct:

1. Compare current discharge rate of well with the driller's recommended rate. If the current flow rate is higher, install a flow restrictor on pump. Install 200-400 gallon indoor water storage tanks to meet peak water requirements. The two most popular sizes for tight spaces and that fit through most doorways are 24"x 24"x 5 feet tall or 48" x 24" x 5 feet tall.
2. Have a licensed drilling contractor/pump specialist check the pump and pressure system equipment for malfunction. Make sure that any new pumping equipment is sized correctly to meet the production capability of the well. Reduce well pumping rate if necessary.
3. Shock chlorinate the well.
4. Get a Well Production Flow Test done, or refer to your Water Well Driller's Report or go to: http://www.telusgeomatics.com/tgpub/ag_water/ to search on Alberta Environment's website using your legal land description.

Our Services Include:

Water Softeners, Reverse Osmosis, Iron Filters, Ultra Violet, Well Service & Pumps, Pressure Tanks, Chlorination, Holding Tanks, Odor Removal, & On-Site Water Tests

**FOR MORE INFORMATION OR TO OBTAIN
AN ELECTRONIC COPY OF OUR
"Acreage Owner Water System Information Guide",
PLEASE CALL OUR WATER HOTLINE AT 931-3733**

