

Proposed Alberta Environment Approval Amendment

Modifications to Monitoring Program

The Town is requesting the following changes to the EPEA Approval 1242-02-00:

- **Amend the Raw Water Reservoir Sampling Frequency:**
 - Groundwater Well Sampling Frequency from 6 times per year to 2 times per year (spring and fall).
 - Interceptor Sampling Frequency from 3 times per year to 2 times per year.
- Continue to sample stored water every month (no change)
- Continue with supply well water monitoring program (every month if plant directly fed by wells, otherwise 2 times per year) (no change)
- Continue Groundwater Interceptor flow measurement monthly (no change)
- **Change Groundwater & Stored Water Results reporting frequency to AENV from twice per year to once per year (No "Interim" Report). Same as typical Annual Waterworks Report.**
- **Decommission TVR 1.1 due to lack of Shallow Groundwater**
- **Decommission and replace TVR 1.4 and 4.4 and deepen by 3 meters to improve sampling volume**
- **Decommission and replace faulty well TVR 5.2 at same depth**
- **Add Hydrocarbon Fractions F1, F2, and Extractable Hydrocarbons to twice annual distribution system testing:**
 - Improves current twice per year sampling for potential contaminant permeation into plastic pipes.
 - Continue sampling random locations in distribution system twice per year for BTEX, metals, pesticides, plus physical parameters, inorganic chemicals, and organic chemicals (no change).
- Continue to implement all current programs.

Why?

Excellent baseline data now available from wells and reservoir after nearly four years.

Rigorous sampling over past four years has shown good results.

Okalta 22 now remediated by Orphan Well Association.

Reasonable extension of current sampling to distribution system can improve protection.

Better utilization of Town's limited resources.

Bottom Line: A significant Monitoring Program will remain in place going forward to protect the Town water supply.