

GROUNDWATER MONITORING APPLICATION

Flathead City-County Health Department • Environmental Health Services
1035 First Ave. West, Kalispell MT 59901 | (406) 751-8101 | ehealth@flatheadcounty.gov



Service	Fee	Cost
Full Monitoring (1-4 pipes)	N/A	N/A
Full Monitoring/additional pipes (\$60/each pipe)	N/A	N/A
Spot Checking (1-4 pipes)	\$200	
Spot Check-additional pipes (\$40/pipe)	\$40	
Total Cost	--	
Receipt Number		

APPLICANT & PROPERTY INFORMATION

Applicant Name _____ Phone _____

Applicant Address _____

Email _____

Parcel Address _____

Owner's Name (if different) _____

Legal Description Section _____ Township _____ Range _____ Plat Room Tract ID _____

Legal Description _____ 1/4 _____ 1/4 Assessor # _____

Subdivision Name: _____ Lot _____ Block _____

Directions or map showing how to access the site (**no larger than 11 x 17**). **Attach additional directions as necessary.**

Directions: _____

INSTRUCTIONS AND CHECK LIST

- Complete the Groundwater Monitoring (GWM) application. The property owner's signature is required for Groundwater Monitoring registration.
- A site plan which shows the entire parcel, North arrow and detailed location of test pipes. **All test pipes must be numbered and labeled with the pipe number and year. Test pipe labeling must coordinate with map and log.**
- Complete top portion and submit Groundwater Measurement Log. **If the pipes are not registered, the monitoring will not be accepted and may need to be re-monitored the next monitoring season.**
- The application, site plan, GWM log and payment must be turned in to the Environmental Health Department for registration.
- Measurements must be recorded weekly on the department GWM Log (minimum of one recording every 7 days). Less frequent monitoring may void monitoring for the current period and result in the need to monitor through the next groundwater monitoring season.
- Upon completion of monitoring, the owner/representative shall submit the completed GWM log. The application and log must be turned in to the department by **August 1st** of the current monitoring year.

GWM season [can](#) start as early as **January 1st** and typically goes through the end of June. GWM is very weather dependent and in some cases, it can go longer than June if a peak measurement has not been captured.

AUTHORIZATION

Owner's Signature _____ Date _____

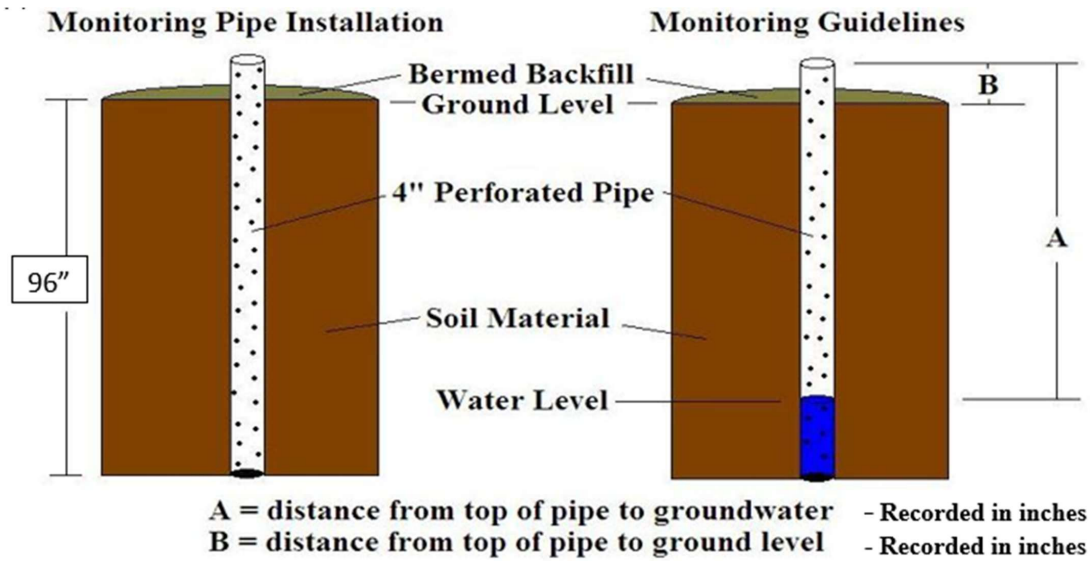
By submitting this form, the property owner authorizes the Flathead City-County Health Department to enter onto their property for the purpose of observing groundwater levels at any monitoring pipe location. I hereby certify that submitted monitoring and logged measurements are true, complete and correct to the best of my knowledge.

Note: A parcel may not be re-monitored unless the new proposed pipe location is geographically or topographically unique from the previously monitored location. GWM pipe(s) may need to be re-monitored if precipitation levels are abnormally low, as determined by the Department. If a pipe(s) failed one year it may not be re-monitored another year. A new pipe can be installed in another location on the property at the discretion of the Department.



INSTALLATION RECOMMENDATIONS

- A 10' long 4" diameter schedule 40 perforated pipe is preferred. Perforation must extend from 1 foot below the ground surface to 8 feet below the ground surface (bottom of pipe).
- Care should be taken when burying the pipe to not crush or bend it and to ensure that it remains vertical in the hole
- Observation wells (pipe) must be installed within 25' of the proposed absorption system (drainfield) and on the same elevation
- Mounding up of material around the base of the pipe is acceptable and recommended to account for settling of the loose soils around the pipe after the hole is backfilled. **Keep in mind that measurement "B" should be taken from the natural ground surface.** Environmental Health staff will write the "B" measurement on the pipe upon their first visit.



MEASURING PROCEDURES

- Lower a measuring tape to the water level and measure the distance from the water level to the top of the pipe (see example above). Water levels should be measured to the nearest inch. A plunking device or electronic water sensor can also be used. Data should be submitted as shown in the example on the Measurement Log.
- Measure the distance from the top of the pipe to the natural ground surface (B distance, see above example). Then measure the distance from the top of the pipe to the water level (A distance, see above example). Subtract B from A. This value equals the actual separation between the water table and the natural ground surface. Once the Environmental Health staff write the "B" measurement on the pipe, use that as your "B" measurement to minimize discrepancies in measurements.

Note: Groundwater results alone do not dictate approval of a septic system