

AGM — GARP Report

- The Drinking Water Officer has told SSID that because we have nitrates in our water system, we also are at risk of having viruses.
- Nitrates travel in pathways from the septic systems of the well catchment zone. Viruses would use these same pathways.
- Viruses cannot be detected through water testing. Viruses are indicated when people feel sick.
- Viruses can be killed by continuous chlorination, via an injection system.
- Alternatively, if not treating the water with chlorine, a permanent water quality advisory must keep all water users aware of the potential health hazard.

GROUNDWATER AT RISK OF PATHOGENS — Options

1) Pros of getting a GARP assessment	Cons of getting a GARP assessment
The assessment will inform us whether the water IS AT RISK.	The assessment does NOT tell us if there are pathogens present.
It is possible—but not probable—that the assessment will show the water to be NOT at risk.	It may be \$13,000 spent to tell us what is already known.
If the results show water is not at risk of pathogens, then no action is needed.	The assessment is only true at the time it is assessed; it is not an indicator for the future.
	If the results show water is indeed at risk of pathogens, then must do the chlorination or advisory anyway.

2) Pros of an automated chlorine injection system	Cons of an automated chlorine injection system
Guaranteed to kill all pathogens.	Some people do not like to taste or shower with chlorinated water.
There is comfort in knowing no illness could come from the water.	There will be a cost (to be determined) to install the injection system.
SSID Operator recommends chlorination	It is another automated procedure requiring training or specialized maintenance

Pros of a Permanent Water Quality Advisory	Cons of a Permanent Water Quality Advisory
Better for people who prefer no chlorine.	Does not change the risk of one day having pathogens in the water.
	There will have to be signage (exactly what signage is to be determined) in the District.
	People could get sick if pathogens enter the system.
	Property owners will have to advise visitors and renters of the potential risk of illness.
	There will always be a concern that the water is not guaranteed safe.