

TIMBRSHOR

On May 16, 2023 we completed the annual inspection of Timbrshor Wastewater System. All systems were inspected with the exception of the Main Treatment and Drainfield area to the East of the 4 plex and the dose pump and drainfield (F) to the South of Unit # 317 which are the responsibility of Glacier Telemetry.

The inspection included checking sludge levels, cleaning filters, operation of pumps, checking amperage draw on pumps, visual inspection of the tank components, and scum layer where ever possible.

In general the system is in good working condition with the following exceptions:

Unit #201-As mentioned in previous inspections we are not able to do a good inspection of the tank and pump for Unit # 201 since Landscaping and a small rock wall limit accessibility. We would strongly recommend revision of the landscaping so that a good inspection of both the pump and septic chambers can be accessed at ground level.

Unit # 209- Pump is somewhat noisy which indicates that it has significant internal wear. We noted this for informational purposes only and since it is a readily available type of pump we are not recommending replacement at this time since the amperage draw is still OK.

The Lodge- Pump is somewhat noisy which indicates that it has significant internal wear. We noted this for informational purposes only and since it is a readily available type of pump we are not recommending replacement at this time since the amperage draw is still OK.

Units 301, 302, and 305- The septic tank has over 18 " of sludge. Although not necessarily an immediate concern it probably should be pumped some time before next spring.

Units 312, 314, 315, and 316- This septic tank has about 24" of sludge and is in immediate need of pumping. There is no filter between the septic chamber and the pump chamber so the pump would end up pumping raw sewage if the tank overfills. Dan Novinski is aware of the issue and has been working to find someone to get it pumped. The tank appears to have been constructed in place and I would estimate it is about 1000 gallons. Accessibility to the tank and pump house has been improved considerably but is still difficult. The pump is old but still working OK but will eventually fail and need to be replaced. There is an alarm and it is on a circuit separate from the pump so in the case of a pump failure there should be a warning alarm assuming there is not a total power outage. In the event of an alarm all residents should immediately cease any sewer usage as an overflow will quickly allow sewage to run down into the Lake.

Although not an immediate need, when there is a pump failure, float switch failure, or some other significant problem, we would recommend replacing the pump, float switches, and upgrading the wiring.

We also noted that freezing of the pump chamber is a possibility but since that has not been a previous problem are not recommending any corrective action at this time.

Unit # 311- The septic tank has about 24 " of sludge. Although not necessarily an immediate concern it probably should be pumped some time before next spring.

Drainfield E- The dose tank for drainfield E has about 24" of sludge. Since there should be a septic tank between all sewage sources and the dose tank there should be minimal sludge in a dose tank. The problem with sludge in a dose tank is that it soon gets pumped into the drainfield and causes it to plug up. Cleaning or replacing a drainfield can be very expensive so it probably should be pumped soon. If, after being pumped, it continues to accumulate sludge some further investigation should be done to find and correct the source.

Once again, overall, the system is in good condition and most of these recommendations are for plain old good maintenance. I know some people think pumping of tanks and other maintenance of septic systems is a waste of money but it is no different than changing the oil in your motor vehicle. The maintenance costs are far less than the repair bills.

Let us know if you, or others, have questions.

Tom Barnard- 3578PE

Advanced Septic Design and Maintenance LLC (ASDM)

16 Addison Court

Kalispell, Mt 59901

Tom 406-471-0961 or Roy 406-252-1151