

The Village has an inflow and infiltration problem as shown in the graphs and pictures below. Inflow is water that enters the sewer system from sources such as sump pumps, roof drains, and ponded water over manholes. Infiltration is ground water that enters the sewer system through leaky joints, cracks, and holes in the sewer mains, sewer laterals, and manholes.

This extra water requires extra treatment at the wastewater plant including more pumping and more aeration. This requires additional chemical use and energy. It may also disrupt the biological treatment process by providing “food” that is too thin to support the microbiological population or flow rates that flush the bugs that treat the wastewater out of the system leaving too few bugs to effectively treat the wastewater.

As the Village completes road projects, it will line the sewer mains and manholes to minimize the infiltration. It will also require homeowners and business to replace or line their sewer laterals to minimize infiltration. As the Village identifies connections to the main or laterals from clear water systems, it will require the connection to be removed.

### Flow Totals (Gallons)

	Daily	Yesterday	Accumulated
Influent	348,992	179,302	670,835,072
Effluent	273,824	137,024	502,004,704

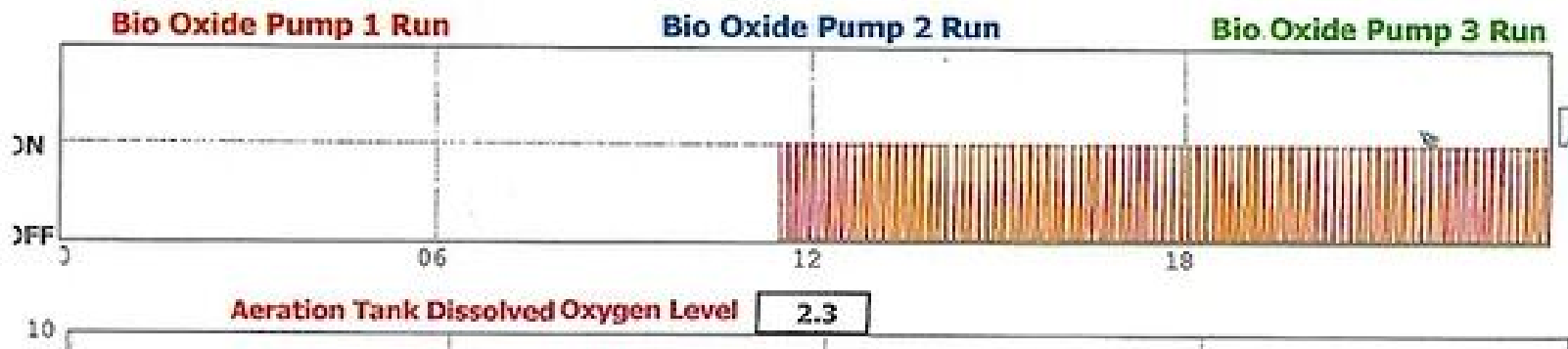
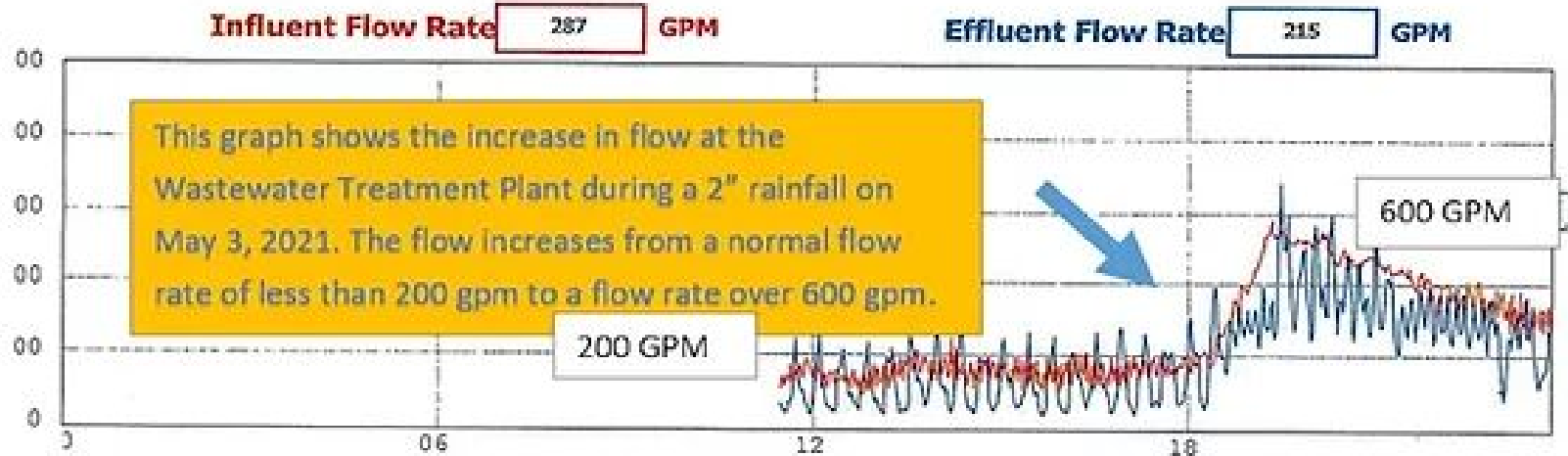
If Auto Print "ON", the report will automatically every day at 23:56

Print

6.64 s.u.

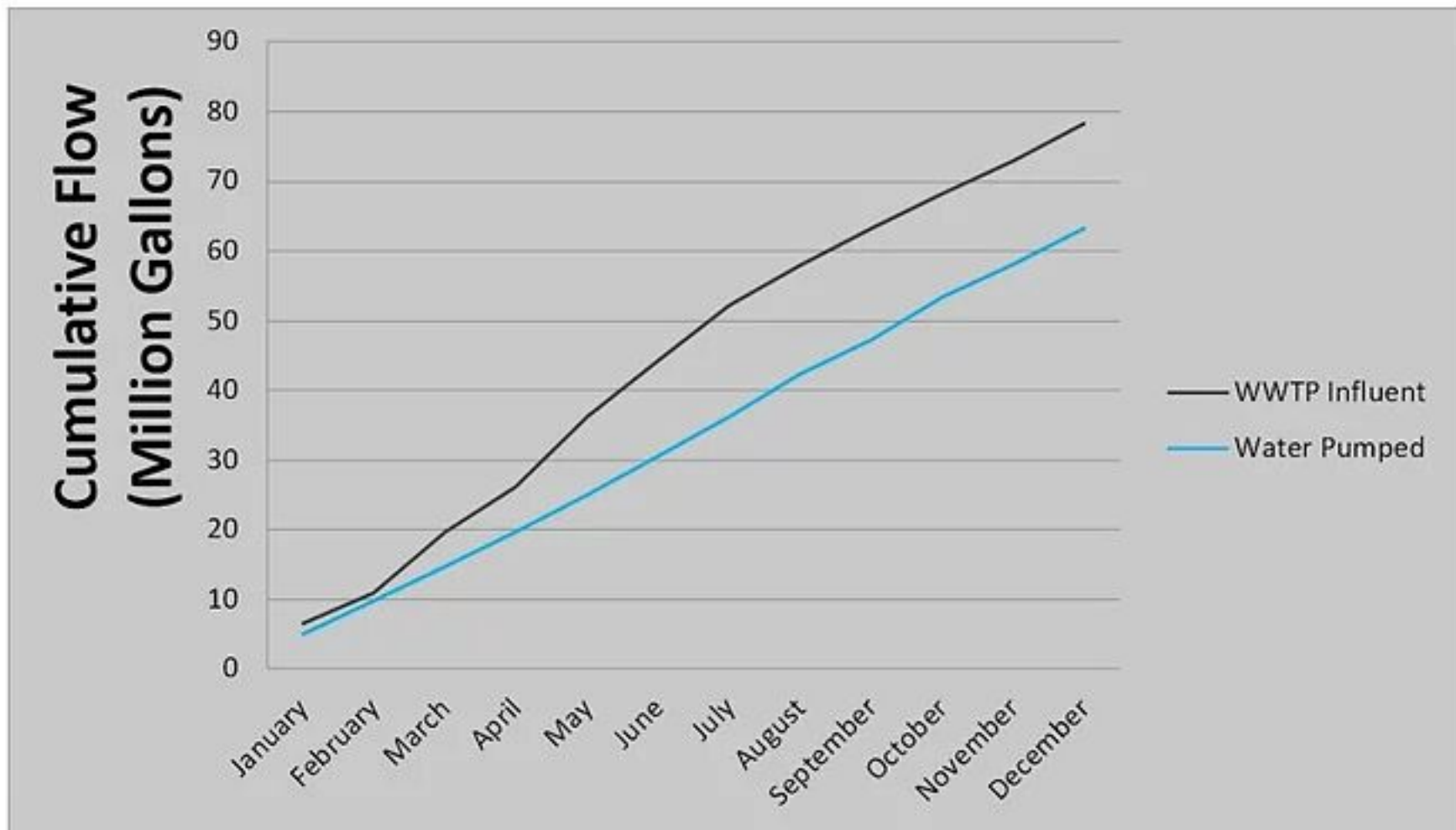
Average pH (Effluent) 6.52 s.u.

Effluent Temp 55.06 s.u.





On an annual basis, the Village treats the equivalent of about 50 water towers of water at the wastewater treatment plant than it pumps to the water tower. This is about 300,000 gallons per week.



This graph shows the cumulative monthly increase of water to the wastewater treatment plant versus the water pumped at the wells during 2020.