

Smart Remote Monitoring

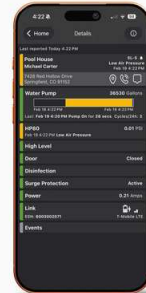
Proactive Oversight for Your Wastewater System

Many water departments can now alert customers when unusual water usage indicates a possible leak. This early warning gives the customer an opportunity to correct the problem before it results in an expensive water bill.

Our Smart Remote Monitoring, using SeptiLink remote monitoring technology, provides a similar benefit for your wastewater system. By monitoring important operating information - including pump activity, flow and usage data when a compatible meter is installed, aerator air pressure, and disinfection/UV system status when connected to a compatible alarm or status output - 24 hours a day, 7 days a week, 365 days a year, we have the opportunity to identify potential problems before they become serious enough to trigger an alarm or result in a costly repair.



SL-5 monitoring hardware



SL Connect monitoring view

SeptiLink SL-5 monitoring hardware and SL Connect mobile monitoring view. Images courtesy of SeptiLink.

What We Monitor and Provide

As part of your Smart Remote Monitoring our team is able to:

1. Monitor pump runtimes, run events, and amperage to identify changes in how your equipment is operating.

2. Monitor alarm occurrences and respond accordingly when an alarm condition is reported.
3. Receive power failure notifications when electrical power to the wastewater system is interrupted.
4. Measure, monitor, and record flow and water-usage volume when equipped with a compatible pulse-output water meter. This provides trend data that can help identify changes in system loading, unusual usage, and operating conditions.
5. Measure and monitor aerator air pressure when equipped with compatible SeptiLink pressure monitoring. Pressure trends and low- or high-pressure conditions can provide early indication of aerator, air-line, diffuser, or related system issues.
6. Monitor disinfection or UV system status when the treatment equipment provides a compatible status/alarm output to SeptiLink. This allows normal/abnormal disinfection conditions to be reported remotely; it does not by itself measure UV intensity or UV dose.
7. Monitor additional system-health information available from the SeptiLink SL-5, including enclosure door/tamper status, surge-protection failure status, and network/signal status, helping identify communication or equipment-protection issues that may require attention.
8. Provide continuous oversight by a Class III Wastewater Operator who can evaluate the information being reported by your system.
9. Maintain required operational records associated with the monitored wastewater system.
10. Respond to alarms and operational issues in a timely manner and advise you when attention or service may be needed.

Why This Information Matters

Wastewater equipment often provides clues when something is beginning to change. A pump may begin running more frequently, run longer than normal, or draw a different amount of electrical current. Flow and water-usage patterns may change, aerator air pressure may move outside its normal range, a disinfection/UV system may report an abnormal condition, or an interruption in power may affect system operation.

Any of these conditions alone may or may not indicate a problem. The benefit of remote monitoring is that our wastewater professionals have access to pump, electrical, alarm, flow/usage, air-pressure, and disinfection-status information and can review trends over time to determine when something deserves attention.

Without remote monitoring, the first indication of a problem may be the alarm sounding or the red warning light on your control panel. With remote monitoring, we have an opportunity to recognize certain problems sooner.

When we identify a potential concern, ***we will contact you***, explain what we are seeing, and advise you of the options available. This gives you the opportunity to make an informed decision and, when possible, address a developing problem before it becomes a larger and more expensive repair.

The Value of Professional Remote Monitoring

Remote monitoring does not guarantee that every equipment failure can be predicted or prevented. It does give us a much better view of how your wastewater system is operating between regular service visits.

By combining SeptiLink technology with the oversight of our qualified wastewater operators, your Smart Remote Monitoring Plan provides an additional level of preventative care for your wastewater system and helps reduce the likelihood that your first indication of trouble is a surprise alarm, at the most inconvenient time.