

MUNRO SOLVES THREE PROBLEMS FOR SOUTH CAROLINA CITY

Problem

- The City of Bluffton, SC, pumps water from two ponds for roadside drip irrigation. The ponds are both filled with mussels, making it difficult to pump water without clogging the irrigation piping and emitters.
- The ponds are surrounded by a neighborhood, making noise a concern for both the residents and the city.
- The project managers wanted to be able to easily monitor the irrigation system and pump stations from their home, office, or even on the road via their smartphones or tablets.



Quiet operation was assured by special noise-reduction insulation.

Munro was asked to supply a pump station that would be resistant to mussels, have a low noise level to avoid disturbing residents, while also allowing the city to monitor the systems remotely.



Incoming suction line and self-cleaning screen flush nozzle return line.



Pump and water meter, separated by a partition to protect electronics from water.

Solution

- Filtration was provided, as well as a self-cleaning suction screen to prevent the mussels from entering the pump station.
- Blown-in insulation was installed and tested with a decibel meter to ensure that the stations operated within a maximum noise level set by the city.
- The stations were integrated with Baseline 3200 controllers that are accessible via Baseline's LiveView web-based system, in order to allow the project managers to view the stations on the same platform as the rest of their irrigation system, remotely from wherever they are.

OUTCOME

Use of Munro stations has led to an overall more reliable pumping system by:

- Eliminating clogged piping and emitters, saving the city time and money.
- Facilitating remote monitoring, allowing project managers to dedicate more time towards other tasks.
- Reducing overall water usage, as there is no water loss from manual cleaning/unclogging.
- Decreasing noise levels near the residential area.

Implementing a Munro pump station costs less than you think, and will save time and money. To get one customized to your needs, contact us today!