

REPLACING EXISTING PUMP STATION WITH MUNRO SOLVES PROBLEMS FOR COLORADO GOLF COURSE

Problem

OLD PUMP NOT MEETING TODAY'S NEEDS

A Colorado golf course pumps water from a lake for irrigation: The existing pump station suffered rapid deterioration, resulting in high maintenance costs.

- The existing station lacked intake filtration to protect it from debris and algae in the water source, causing constant clogging issues.
- The course needed to reduce energy costs.
- The superintendent wanted to be able to easily monitor the irrigation system and pump station via his smartphone or tablets.



Leak-resistant mechanical seals installed to reduce maintenance needs.



Self-cleaning strainer used to filter debris from the lake.

Solution

NEW PUMP EXTENDS LIFE OF EXISTING SYSTEM

- To assure trouble-free operation, Munro designed a new pump station that used more durable and leak-resistant mechanical seals rather than packing seals, in order to save time and money by eliminating the need for constant maintenance.
- To reduce clogging, self-cleaning screens were installed to prevent debris from entering the new pump station, protecting the pump and sprinklers from most dirty water sources.
- To decrease energy costs, Munro incorporated multiple pumps with high-efficiency motors, and a custom-built VFD control panel with built in pump protection features.
- The new station was integrated with remote monitoring equipment, to allow the superintendent to view the station remotely, via a web interface, wherever they are.



VFD drive to reduce energy costs.

OUTCOME

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

- Eliminating maintenance hassles, saving the course money and reducing maintenance time.
- Eliminating clogs from debris in the water source, protecting components and eliminating downtime.
- Facilitating remote monitoring, allowing more time to dedicate to other tasks.

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!