LAKOS

Application Bulletin

Sand-Worn Pump Damage Leads to LAKOS Pump Protection

Application: Turbine Pump Protection

System Identification: LAKOS PPS Units

Solids/Liquid: Municipal Water Supply From Well

Problem/Challenge: Keeping Sand Out Of The Water Supply

Problem and Solution:

The abrasive sand found in the wells of Queen Creek, Arizona was no match for a LAKOS Pump Protection Separator. After spending thousands of dollars per well replacing sand worn bowls and impellers on turbine pumps, Queen Creek Water Company searched for a long term solution.

Nearly 8,000 houses west of Phoenix depend on Queen Creek Water Company for their lawns, appliances, and drinking water. The hot and arid climate of central Arizona leaves municipalities no room for downtime.

"We had about one hundred days above 100 degrees last year; a pump going down is a big deal for a community" says Ron Baysinger, Water Plant Operator/Well Supervisor of Queen Creek Water.

After researching their options, Queen Creek chose LAKOS Pump Protection Separators to solve their costly sand problems. Their booster pumps and storage tanks also reap the benefits of pump protection: "Sand affects every part of a water system" says Baysinger, "we chose the down-hole separator to protect every part."

Today, Queen Creek Water Co. includes a LAKOS Pump Protection Sand Separator on every new well added to the system.

(Pictured Above) Ron Baysinger of Queen Creek Water Company next to one of nine LAKOS protected turbine pumps.
(At Left) Damaging sand found in high flow wells in the central Arizona area

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