

## Applications & Systems

### IN BRIEF:

#### SITE/LOCATION:

Sacaton, AZ  
Gila River Indian Reservation

#### PROBLEM:

Two lift stations were experiencing frequent clogging of their solids handling pumps, one was clogging 4 to 5 times a week and the second lift station's pump was clogging at least once a week.

#### SOLUTION:

Pump Systems, a Crane Pumps & Systems' distributor, became aware of the issues on a sales visit to the Reservation. They recommended the Barnes SH pump by Crane Pumps & Systems. Since the installation of 2 Crane Pumps & Systems Barnes' 7.5 HP 4SHMC75N4 pumps there has not been a clogging issue.

## Barnes SH Solids Handling Solves Clogging Problems



GILA RIVER INDIAN RESERVATION  
LIFT STATION 1



GILA RIVER INDIAN RESERVATION  
LIFT STATION 2

### Barnes SH Series

The lift stations at Gila River Indian Reservation get waste flow from a nearby casino including sheets, rubber gloves, shirts and mop heads. Maintenance to unclog the solids handling pump was required almost daily at the one lift station and weekly at another lift station. The owner needed a pump that would not clog to alleviate maintenance time and costs.

Crane Pumps & Systems' Arizona based distributor, Pump Systems, was on a routine sales call with Gila River Indian Reservation when they learned of the problem. They suggested the Barnes Solids Handling pump with a 7.5 HP motor and 4 inch pump end. Barnes SH Series provides a 3 inch solids handling capability designed to handle stringy solids. It's external epoxy coated paint protects against external corrosion and the plug-n-play cord design allows for simplified routine maintenance.

In September, 2011 Gila River Indian Reservation installed a Barnes 4SH pump in the first lift station and the clogging stopped. In February, 2012 they installed a Barnes 4SH pump in the second lift station. The clogging problems were solved.

The owners are very pleased with the performance and reduced maintenance time and costs they experience with the Barnes SH pumps.



BARNES 4SH PUMP



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