

IN BRIEF:

SITE/LOCATION:

Nassau, Bahamas
The Bahamas Water and Sewerage Corporation (WSC) provides potable water distribution service to all of the Bahamas.

SITUATION:

Water and Sewerage Corporation of Nassau, Bahamas was frustrated with frequent maintenance on aging pumps. The parts were hard to acquire, and the complicated pump designs were difficult to work on.

SOLUTION:

Due to the corporation's positive experience with the Deming 5060 series split case pump they worked with the local distributor, Jack Klein Pump Association, to develop a plan to replace all other manufacturer's pumps with the Deming 5060 Series.



DEMING 5060 SERIES SPLIT CASE

CRANE

PUMPS & SYSTEMS

Applications & Systems

Deming® Offers Lifetime Quality

The Deming® 5060 Split Case Series

Aged infrastructure can drain a municipality's budget in a hurry! The Water and Sewerage Corp. (WSC) of Nassau, Bahamas was dealing with several different aging pumps from several different manufacturers. As the pumps aged, failures occurred more often and parts became more difficult to acquire. System performance was lagging as repairs to the equipment took long periods of time.

Water and Sewerage Corporation did not have these problems with Deming 5060 Series Split Case pumps. The positive experiences with Deming pumps led WSC to work with Crane Pumps & Systems distributor, JKA Pump, to develop a plan to replace all other manufacturer's pumps with Deming 5060 Series pumps.

Beginning in 2011, the replacement began with JKA Pump supplying the equipment and training and WSC supplying the installation services. The first pumps were supplied with all iron construction with electroless nickel impregnated impellers. Subsequent to the initial installations, the water supplied to the pumps changed from chlorinated water to reverse osmosis water. This dictated a change in materials to stainless fitted pumps, including the impeller, shaft and sleeves.

WSC is very pleased with the results of the changeover. They now have parts that are interchangeable for every split case pump installed. Failures have dropped dramatically and maintenance technicians are more intimately familiar with the equipment and the maintenance procedures. Costs to maintain the equipment has been reduced and overall system performance has improved.

"We took a decisive and aggressive stance when we decided to standardize with the Deming 5060 pump in two primary pumping stations together pumping more than 11 million gallons of low salinity reverse osmosis water every day. While investing more than a quarter of a million dollars in (Deming) pumps and motors, the program has met exemplary results, reducing downtime, improving equipment reliability and performance."

Gregory Stubbs,

- Senior Engineer, Water and Sewerage Corporation