



Summary

Industry:	Water & Waste Water
Application:	Pumps
Actual Saving:	Risk reduction
Payback Period:	Ongoing



Site Survey Ensures Risk Reduction for Critical Pump

ISSUE

Approached by a large wastewater company, ERIKS were asked to assist with a shaft motor and drive shaft issue. It was found the customer was experiencing numerous failures, affecting both output levels and distribution of sewerage across the site.

To make matters worse, the unbalanced line shaft appeared to increase vibration levels which damaged the pipework system and fixings.

SOLUTION

Following the completion of a site survey, ERIKS decided a dry well submersible pump to be the ideal solution. The Technical Engineers would re-design the unit to mirror the existing line shaft drive and pipework configuration. Moreover, replacement top covers were fabricated and installed for the existing motor mountings on the upper levels.

With an increased flow rate, the new unit not only reduces energy consumption, but its wear resistant properties results in a longer life span for the customer. In addition, the Technical Engineers reduced any health and safety risks by removing the rotating line shaft arrangement.

The pump unit was successfully installed with the main spool pieces raised and has now been running perfectly fine without any issues.

OTHER BENEFITS

- Eliminated line shaft configuration
- Positive risk and energy reduction
- Improved plant reliability and efficiency
- Reduced blockage levels

FURTHER COMMENTS...

The customer is extremely pleased with the outcome and improved plant reliability.

MORE INFORMATION

ERIKS Industrial Services

Amber Way, Halesowen,
West Midlands B62 8WG

Tel: 0845 006 6000

Web: www.eriks.co.uk