



## Summary



<b>Industry:</b>	Waste & Recycling
<b>Application:</b>	Water System
<b>Actual Saving:</b>	£Undisclosed
<b>Payback Period:</b>	6-8 weeks



## ERIKS Design an Improved Drain System

The ERIKS Pump Experts Created a System to Isolate Rain and Waste Water

### ISSUE

ERIKS pumps experts were asked to assist a customer with a contamination issue on-site.

The client had a large lagoon which stored contaminated water from the site. The customer had received several visits from the environment agency due to complaints about the smell from the site and had received improvement notices. However, the drain system which fed the lagoon also took rain water from the roof of a large building which added to the volume in the lagoon and the cost of disposal. The contaminated water was taken away by road tankers for treatment by a local water authority.

Due to the volume of water in the lagoon up to 8-10 tankers were required daily to keep up with the demand on the system at a cost of £850.00 per tanker.

### SOLUTION

ERIKS pumps experts were asked to design and install a system to reduce the amount of water requiring removal from the site.

A system was designed to isolate the waste water from the rain water. The 750mm diameter pipework feeding the lagoon was excavated and the pipework cut to allow the installation of an isolation valve which also required the construction of a valve chamber to seal off the drains and a submersible pump was installed together with an interconnecting pipe discharging into a 350 cubic meter storage tank, was also supplied and installed by ERIKS as a collection point for the road tankers.

The drain pipes and guttering system around the 35mtr x 60mtr building was modified and above ground pipework fitted to terminate at the lagoon. This would ensure that in time, all the water in the lagoon would be clean and could be discharged into the water course as the waste water had been separated and contained within the storage tank reducing the tanker costs and removing the issue of smells.

### OTHER BENEFITS

- Know-How
- Reduced Costs
- Positive Risk Reduction

### FURTHER COMMENTS...

### MORE INFORMATION

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know-how makes the difference

# ERIKS