

Industrial Effluent Solutions

Kings Lynn, East Anglia

Project: Supply and Installation of industrial effluent works

Client: Tulip Foods

H2OK were appointed by a large food processing company to undertake the replacement of an existing effluent treatment plant.

H2OK's works included the design, supply, installation and commissioning of an appropriate industrial effluent treatment plant, specially designed to cater for the type and volume of waste generated on site. The system reduces the strength of effluent from the site in order to reduce significantly, the waste disposal costs for the client.

H2OK had successfully undertaken similar schemes for the client at a number of sites in the South West region, making H2OK an obvious choice for the site in East Anglia.



H2OK work with a company who is a market leader in effluent treatment who provide state of the art technology which operates with environmentally friendly organic chemicals that are bio-degradable.

The equipment selected by our engineers included a balance tank, flocculation unit and a floatation system which is designed to remove solids from the effluent.

Within the system, dissolved air is pumped in at the bottom of the unit so that the effluent forms a light, airy mousse on the surface. This layer is removed and pumped to a sludge tank for removal and disposal by tanker. This process reduces the level of suspended solids strength and also the COD level which needs to be kept to a minimum in order to minimise the trade effluent consent charges.



Installation of the equipment required careful planning. Space on site was limited, leaving little free space for new equipment and measures had to be put in place to ensure the existing plant could operate throughout the scheme.



The project was completed in a very short timeframe and we have continuous correspondence with the client to ensure the operation of the plant is at its optimum at all times.

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