

Case Study: Pincroft Dyeing

Water efficiencies and cost savings

Action: Water usage assessment by SWEL
Installation of heat recovery technology

Benefit: Energy savings & reduction in environment impact
Savings of over £70,000

Pincroft Dyeing & Printing Co Ltd is an independent commission textile dyeing, printing and finishing company based in Adlington, near Chorley. Thanks to a plan implemented in conjunction with SWEL, Pincroft made cost savings of more than £70,000 by assessing its water management.

In the last two years all production machines on-site have been fitted with computer controlled heat recovery technology. This produced impressive energy savings but Pincroft wanted to do more to reduce its environmental impact. The company took control of its raw materials, energy and water use and, consequently, effluent production across the site.

Water Efficiencies

Pincroft installed new water and effluent meters to measure all flows of water and wastewater into and out of the site and set itself a reduction target of 10%. Water use was analysed in comparison to production, and water efficiency on all shifts was investigated.

Water Efficiencies achieved

Effluent treatment and recirculation - machines have been upgraded and washing efficiency increased so previously discharged water is reclaimed for reuse. Upgraded machines also use less fresh water, saving energy and reducing effluent volumes.

Savings

- Water and effluent savings from this project equate to 9m³/hour i.e. 41,580 m³ per annum
- Based on effluent costs alone, the cost savings from this measure are £70,686
- Other cost savings will be in reduced raw material purchasing costs and reduced energy costs in heating the water

Washwater recirculation - hot water used as washwater in the dyeing plant was previously discharged to drain after use. The cleanest, 'last rinse', hot washwater is now reused to wash the printing screens.

Savings

- Water and effluent savings from this project equate to 11,494m³ per annum
- Based on effluent costs alone, the cost savings from this measure are £19,539

To find out more about how SWEL can help your business implement an effective water usage plan, for FREE, contact the Lancashire Business Environment Association on

01254 676 747

or visit us at

swelancashire.co.uk



SUSTAINABLE WATER ENVIRONMENT IN LANCASHIRE

water management

SAVE
WATER USAGE AT WORK

water...

management in lancashire



Sustainable Water Environment in Lancashire (SWEL) can help you to assess your water usage in the workplace and make it more sustainable. If you don't measure your water usage, you can't control it.

By working with SWEL to assess your business's utilisation of water, you can implement an effective water management plan to reduce water usage, save money and be kinder to the environment.

“ thanks to SWEL, in 2008, Lancashire companies saved 61,799 tonnes of water, equating to £80,800 of year on year savings. ”



FREE SWEL services include:

- advice, support and assistance
- staff training
- site water audits
- monitoring
- flood risk management
- sustainable drainage

“ reducing your company's water usage...
...saves YOU money! ”

“ SWEL could save your company
thousands! ”