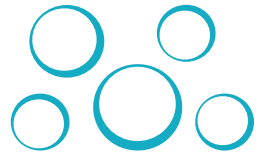

raise
RAPID
BOIL 

CASE STUDY:
TEVIOTDALE LEISURE CENTRE

Report No: ETTEVIOT
Approved by: B McMullen (CEng. MChemE)

CASE STUDY: TEVIOTDALE LEISURE CENTRE

KEY INFORMATION

INSTALL DATE: JAN-OCT 2013
TEST PERIOD: 10 MONTHS

REPORTED SAVING:

17.9%



Trial of RAPID BOIL™ Energy Saving Treatment at Teviotdale Leisure Centre

INTRODUCTION:

RAPID BOIL™ was added to the system at Teviotdale Leisure Centre in stages. 20 Litres were added in January 2013 and a further 80 litres were added throughout March/April 2013 giving a final RAPID BOIL™ concentration of around 1200ppm. The product was added using a mechanical diaphragm metering pump.

Teviotdale has a large leisure pool (approx 540,000 litres), which utilises the heating system. The pool is maintained at a temperature of 30°C. The air temperature in the pool is maintained at 31°C. Teviotdale provided historic gas usage for 2012 to allow comparisons with the corresponding data for 2013. An estimate of 50,000kW per month (based on summer readings) of energy energy was used specifically to heat the pool. This figure was subtracted from the total usage each month to allow the degree days to bebased on building heating.

RESULTS:

The recorded usage for Jan / Oct 2013 was compared with Jan / Oct 2012 using degree day data from Eskdalemuir Weather Station:

Month	kWh	Degree Day (15.5°C)	kWh/DD
Jan / Oct 2012	1,910,957	2,375	6,251.40
Jan / Oct 2013	1,474,172	2,367	5,110.64

Total Savings (Average 10 months) - 17.9%