Wolseley UK Limited – Hull 01
Leak Detection Report

10th December 2012

We attended site on 4th December 2012 to carry out leak detection after receiving a high consumption bill for this site. Upon initially speaking to site on 22nd November upon receipt of the high consumption bill, the site manager was asked whether there were any issues on site that could be contributing to the rise in consumption on this site. The site manager explained that there had been a leaking urinal on site for some time and that the previous manager had removed the cistermiser from the urinal and as a result, the urinal continually filled and drained.

H^2O advised site that this would most likely be the cause of the rise in consumption and our leakage engineers would carry out leak detection on site to ensure this was the case.

We contacted site again on 3rd December to advise that our engineers would be attending site on 4th December between 8.00am-8.30am. Upon arrival on site, we carried out acoustic sounding of all underground fittings as well as step testing of the site. Step testing is the closing down of Stop Taps & Valve Controls on the water network, where possible.

Picture 1 – The site water meter

Picture 2 – The water meter chamber location

The water main is a 32mm MDPE supply pipe. This supply feeds water to the male, female & disabled toilets and the canteen with 15 staff on site.

We found the rising main to enter the building in the toilet area and the main water meter was located in a grass area outside of the building.

Picture 3 – The rising main enters the building in the toilet area

Picture 4 – The new cistermiser that has been fitted on site

The automatic flush system in the gents' toilets had been reported to require attention by site. This has been replaced now and the cistermiser is in full working order.

By installing the new device, the average daily usage has dropped from **4.5m³ per day to 0.2m³ per day.** This is a reduction of **1,569m³** per annum. This equates to a cost of **£3,969** per annum.
There is no further leakage or unaccounted water losses on site and therefore, no further work or recommendations are required.

345,180 gallons of water saved in 1 year, enough to sustain 12 average families for 1 year!

Saving £ 3,969 per year in water costs.

Good for the environment, good for budgets!