

Waterco has a proven track record in providing design, reports and advice on water related subjects. We have experience in completing the mandatory elements for Code For Sustainable Homes and are able to offer you services that will enable you to receive credits for all BREEAM specifications, including:

**BREEAM Courts**  
**BREEAM Education**  
**BREEAM Healthcare**  
**BREEAM Multi Residential**  
**BREEAM Offices**  
**BREEAM Prison**  
**BREEAM Retail**

### Our BREEAM Services:

Waterco has experience in providing reports and designs which would attain the available 3 credits for Pol5 (Flood Risk) and 1 credit for Pol6 (Minimising Watercourse Pollution). These are both in Category 12 - Pollution. Waterco offer a number of services specifically tailored to meet your BREEAM needs and help you gain the maximum available credit.

#### Pol5 Flood Risk:

For developments located in an EA Flood Zone 1 i.e. at low risk of flooding from rivers or sea, we offer a fully compliant, professional report **from just £400**. Such a report could achieve **2 credits** towards the overall rating.

We can also investigate and advise on the most appropriate surface water drainage solutions for the site to satisfy current legislation and provide a written report. The solutions identified usually qualify for **1 additional credit**. Such a report includes the following:

- Review of existing drainage records
- Analysis of percolation tests
- Assessment of impermeable areas and calculation of the peak rates of run-off
- Calculation of the volume of run-off, pre and post-development and recommendations of how the additional volume could be dealt with (by infiltration, rainwater recycling and/or attenuated discharge)
- Consultations with Environment Agency, Sewerage Operator, Highway Authority, Planning Authority, Building Control and land owners as appropriate
- Level 1 FRA – Screening Study to identify any flooding or surface water management issues
- Assessment of options for the site and general information on the options available e.g. adoption, sustainable drainage systems (SUDS)
- Conclusion of anticipated solutions for development surface water disposal and recommendations of next steps to be undertaken in the detailed design



#### Pol6 Minimising Watercourse Pollution:

We design drainage systems incorporating appropriate pollution prevention measures and provide site drainage plans which would qualify for **1 credit**.

If rainwater harvesting is included as part of the surface water management strategy, this could reduce the attenuation storage required and can contribute to Category 8 water credits by:

- Satisfying the minimum standards or gaining additional credits for Wat1, by reducing the use of potable water
- Gaining 1 credit for Wat5 for Water Recycling for indoor use.
- Gaining 1 credit for Wat6 for Irrigation Systems for planting and landscape irrigation.

#### Benefits:

This highly effective service is increasingly popular with developers who need to obtain credits and want to boost a development's BREEAM rating at a low cost.

As one of the UK's leading flood risk consultancies, we have produced over 150 flood risk assessments for all types and sizes of site nationwide for planning applications and for BREEAM compliance.

Our experience and understanding of all issues relating to water and drainage means we can identify any additional issues if they arise, so you can adapt your design to avoid potential problems early in your development.

For more information please contact us or visit our website –

<http://www.waterco.co.uk>

November 2010