

Drainage Strategy and Utilities Statement

Bowland Wild Boar Park

Foul water

As the Wild Boar Park is not located close to a mains sewer network a modular package treatment unit discharging to a water course is the chosen system. The proposed plant will have adequate capacity for the proposed lodges and will also have capacity to take the foul water from the facilities block for the existing camping pods.

Using British Water Codes of Practice – Flows and Loads 4; Sizing Criteria, Treatment Capacity for Sewage Treatment Systems the capacity of the system was worked on the basis of the following requirements:

Maximum number of occupants-

Lodges serviced 9x6 = 54 x 150litres/person/day Max flow 8100 litres

Camping pods not serviced 5x4= 20 x 100litres/person/day Max flow 2000 litres

Total throughput =10,100 litres =10.1m³

On this basis a 10500 litre unit will be installed.

All pipework will be in compliance with Approved Document H (Building Regs)
Drainage and Waste

An environmental permit Part B6.5 – Discharging treated domestic sewage effluent of up to 15m³ a day to ground will be applied for using Form EPB to the Environment Agency.

Package Treatment Unit

A package treatment unit will be used to deal with sewage and foul water. The chosen system will be Certified to EN 12566 and compliant with Part H Building Regulations.

The unit will be regularly serviced in accordance with the manufacturers recommendations and checked regularly to ensure they are working effectively.

The outfall will be to the water course to the north of the tarmac access road.

Surface water

Wherever possible permeable surfaces will be retained to prevent an increase in the volume of surface water to be disposed of. The car parking areas will be surfaced with a permeable product which will allow surface water to drain through.

The main access track is already in place and the surface water runs onto the adjacent ground to soakaway. The access to the individual lodges and the hard standing for each lodge will be constructed using crushed limestone on a permeable membrane.