



“ZSL Whipsnade Zoo install a Bio-Bubble”

Founded in 1826, the Zoological Society of London (ZSL) is an international scientific, conservation and educational charity whose mission is to promote and achieve the worldwide conservation of animals and their habitats. ZSL have a program of investment to improve the visitor experience at their 600 acre Whipsnade Zoo site.

The Bio-Bubble has been installed to treat the waste from the Base Camp restaurant formerly known as the Lookout Café prior to refurbishment and opposite the Zoo’s incredible white rhinos, this newest eatery opened in partnership with celebrity chef Hugh Fearnley-Whittingstall.

Using the best quality, locally-sourced seasonal ingredients, River Cottage’s commitment to quality, sustainably sourced ingredients and materials makes it the perfect eco-conscious eatery for Whipsnade and aligns perfectly with ZSL’s wider work. Equally the Environmentally friendly Bio-Bubble Advance Aeration process further links with ZSL’s ecological credentials.



The Bio-Bubble biologically processes the waste from 500 covers per day along with waste from triangle wood toilet and shower facilities; the Sequenced Batch Reactor process is well known for effectively operating with feast and famine conditions typically experienced with an open air public attraction whose visitor numbers fluctuate dramatically in line with prevailing weather conditions.



We will help support Zoo staff with the day to day running of the plant, checking performance from trends of key parameters relayed back to us via the 4G broadband link; one advantage of doing this is that actual usage can be recorded monthly, once the profile of yearly flows and loads is graphed we can look to use any spare treatment capacity within the

waste water treatment plant for processing one off drop off loads from other animal waste storage points located around the site, a further attempt to reduce the carbon footprint of the Zoo by cutting the annual number of tankers leaving site with waste. This type of waste attracts a high premium from tanker operators and therefore it follows that more of the funds can be retained for providing for the animals.