

There will be 1no permanently sited composting toilet in each of the units proposed (2no in total). Composting toilets are beneficial as they greatly reduce the use of water, as well as creating matter that can be reused and re-purposed as fertiliser. According to Natural Resources Wales, composting toilets are *'unlikely to lead to increases in phosphorus discharges to the SAC river environment.'*

Solids and liquids will be separated from one another allowing aerobic bacteria to break down the waste into fertiliser. For maintenance of the composting toilet, the operator will carry out a regular inspection and act upon any up-keep necessary.

Bulking materials such as wood chippings / sawdust will be regularly topped up within the chamber to aid with controlling moisture. The separation of the matters along with the bulking materials will prevent odours. Solid waste will remain in the drum compartment, being regularly aerated by raking. When the drum is half full, a portion of waste will be released into the finishing drawer – which will be ready for emptying within 4 weeks. Solid waste will be removed and placed within a compost bin until ready for use.

The separated urine from the composting toilets will be exhausted via a suitably sized soakaway for greywater.

Only the bowl of the toilet will be required to be cleaned, no chemicals will be used for this. Please see the below examples of the proposed composting toilets. Further information is also available within drawing ref 220324 – 01-04 – Drainage Plan.

By providing composting toilets for guests as a sustainable alternative to traditional toilets, this avoids the need for a full drainage system and is considerate to the Special Areas of Conservation.



Figure 1 - Example of separation compartments.



Figure 2 - Example Composting Toilet.

References

Composting Toilet. Available at: <https://www.toiletrevolution.com/composting-toilet/?v=79cba1185463>

Advice to planning authorities for planning applications affecting phosphorus sensitive river Special Areas of Conservation, 2022. Available at: [Natural Resources Wales / Advice to planning authorities for planning applications affecting phosphorus sensitive river Special Areas of Conservation](#)

Composting Toilets. Available at: [Composting Toilets - Centre for Alternative Technology \(cat.org.uk\)](#)