

Additional information

Tank size justification

The sewage treatment plant selected has a 9 person capacity. A drainage field for the tanks full capacity will be built.

Current requirement: The equivalent of 4 full-time staff (at the peak of our season). According to the British Water Flows and Loads document, 1 person per-day (Industrial full-time Day staff) will have a flow of 90litres. 4x 90litres = 360litres total per day. The Flows and Loads document list Standard residential as 150litres per person per day, therefore 360litres is the **equivalent of 2.4 people when deciding tank capacity.**

Future requirement 1: Potential future requirement of a single small house on site. The Flows and Loads document states: 'A treatment system for a single house with up to and including 3 bedrooms shall be designed for a minimum population (P) of 5 people'. **Additional 5person capacity.**

Future requirement 2: Potential future requirement for additional nursery staff. If equivalent full-time staff at the nursery increased from 4 to 6 this would have an **equivalent extra load of 1.2 people.**

Current requirement: 2.4 poplation tank

Potential future requirement (up to): 8.6 population tank

Feasibility of connecting to the public foul sewer

The included 'southwestwatersearches.pdf' document shows there is no public foul sewer within 200m of the nursery site. All properties in the local area (Higher Brownstone, Middle brownstone, Brownstone cottage) are on septic tank systems as a public foul sewer connection is unavailable.