

Wastewater Treatment Plant Specification Form

This document has been developed to capture the site requirements for Wastewater treatment Plant Enquires. Please take time to accurately determine the following requirements - the plant sizing and operation as possible even if not them

Please continue to obtain as much relevant information as possible even if not listed below.

1. **Site Identification** – e.g. domestic residence, flats, school, activities centre, hotel restaurant etc? Select from BW Flows & Loads List most suitable

2. **Site Population Loadings** - For normal dwellings state normal population and max possible population including number of bedrooms and beds. If other then enquire as to usage and determine all populations to be served. Determine if the site is planned to be extended in the future and what the increased loading we be from this.

3. **Seasonal sites** – If site is seasonal e.g. caravan site, what months is the site used in and what are the population variation times through the year? Population information is required on Max, Min and Increase/Decreases over build up/shut down periods required.

4. **Effluent Quality Required** – What is the discharge consent for the site - has the environment agency responsible for the area been contracted for a consent limit? State is no limit has been set.

5. **Discharge Point** – What will the plant be discharging into e.g. soak away, ditch, fast flowing river etc?

6. **Waste Disposal Unit** – Are these fitted or going to be fitted anywhere on the site, if so determine the number of units.

7. **Fats, Oil & Grease (FOG)** – If site is a restaurant/hotel/commercial premises etc has provision been made for grease traps on the grey water lines before the wastewater plant?

8. **Laundry** – Is there any use of laundry machines for sites other than domestic residence, if so obtain details of usage?

9. **Site Layout** – If available, a plan view of the site showing layout and proposed position from the plant in relation to any surrounding buildings should be included. This may be a hand sketch, ideally supplied by the client in PDF format.

10. **Site Access** – Does the proposed site location have provision access by large vehicles? If not, inform the client that it shall be required for de-slugging and plant delivery.

11. **Plant Power** – Is normal domestic power, 240v single phase available?

12. **Air Venting** - what are the provisions for venting - the plant should vent as far as is practically possible from the site/dwelling. A remote vent stack is preferable to a soil stack to the roof of a dwelling for large systems.

13. **Noise issues** – Is the location of the plant going to be in close proximity to a site/dwelling where noise may be considered a nuisance, e.g. wildlife reserve? Is so what is the proximity and acceptable noise levels?

14. **Water table** - What is the height of the water table around the proposed plant location? Is it prone to seasonal increases or flooding? This is important information as it may effect the requirements of your Sewage Treatment Plant.

15. **Bedrock** – What is the invert depth required of the plant? Will a low invert be required due to limitation of the excavations from high level bedrock?

16. **Other Considerations**
 - a. Kiosk location – Distance from the plant
 - b. Requirements for sampling chambers, pumped units etc.