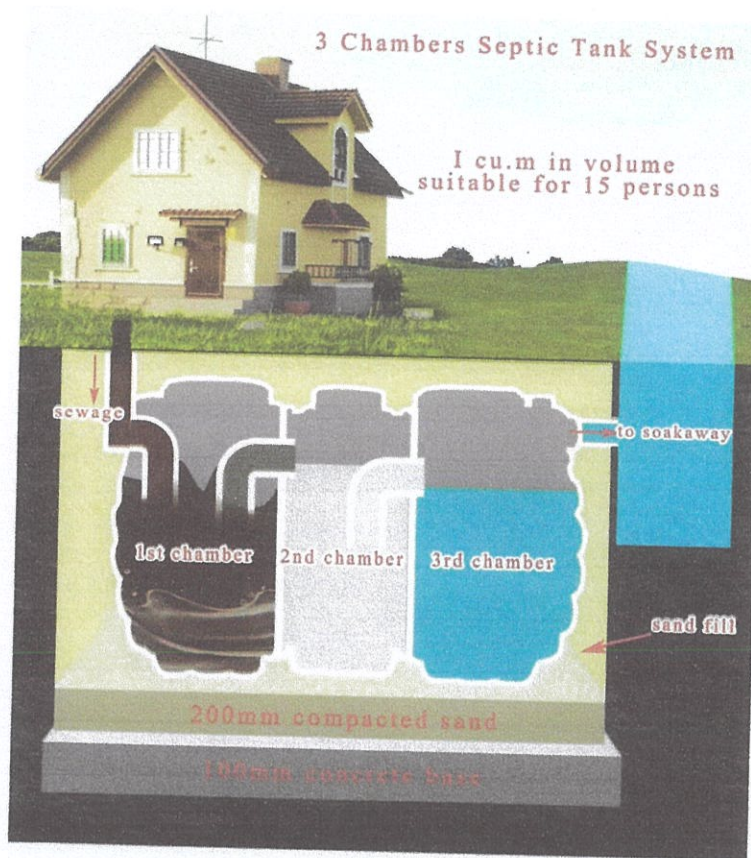


Appendix 10

Sewage Treatment STS Proposal

A Brief Description on the proposed septic tank system (STS) under the Space Cabins

This is a PE septic tank system (STS) used in many rural areas in China.



a) Working Principle

Primary Odor Chamber: The sewage from the fecal sewage pipeline first enters the primary odor chamber, where it undergoes preliminary sedimentation and fermentation to remove some impurities and odors.

Secondary Odor Chamber: The sewage treated in the primary chamber flows into the secondary odor chamber for further sedimentation and fermentation, reducing the organic matter content in the sewage.

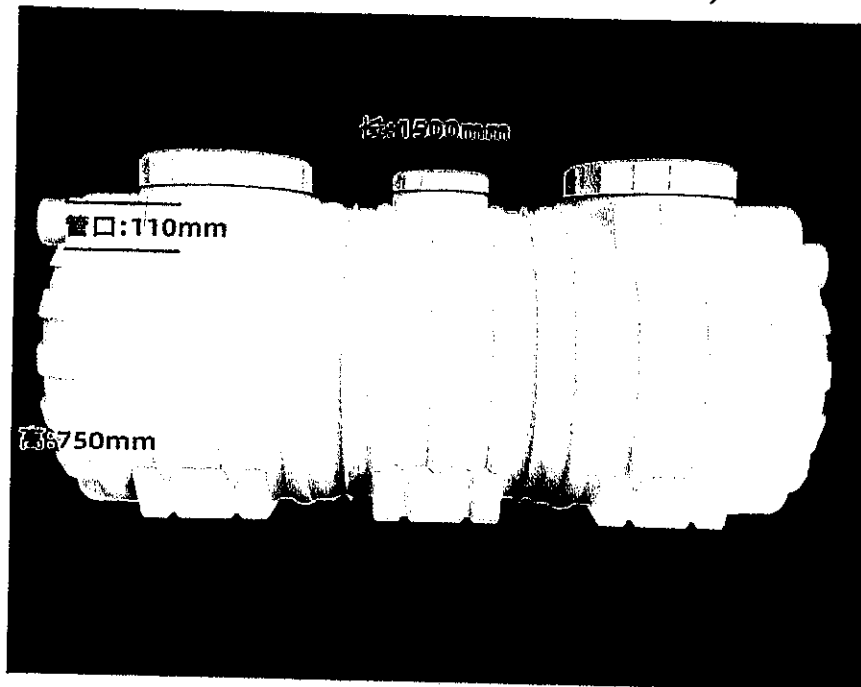
Tertiary Clarification Chamber: Finally, the sewage enters the tertiary clarification chamber. After sufficient sedimentation and fermentation, the impurities and odors in the water are greatly reduced. The treated water can be discharged into vegetable fields, farmland, ditches, or sewage pipe networks.

This septic tank is recommended for used in caravan or space cabin sites for the use of visitors. It is suitable for families with no more than 15 people and has a volume of 1 cubic metre, which can meet the daily fecal sewage treatment needs.

b) Product size (1 cu.m. for 15 persons)

PE 3 Chambers Septic Tank System

(1500mm L * 700mm W * 750mmH)



Backfilling: Backfill with fine sand, and then fill another layer of sand about 200mm thick. This can stabilize the septic tank and play a role in filtration.

Laying: Lay a concrete layer about 100mm thick to enhance the stability and compression - resistance of the septic tank.

Dimension Section for 15 persons

c) Product Advantages

Odor - removal of Discharged Water

After the three - grid fermentation treatment, the odor of the discharged water is greatly reduced, making it more environmentally friendly.

Large Capacity:

The finished fibre-glass tank is made of durable materials and has a large capacity, which can meet the long service life of use.

Affordable Price:

The prices are very compatible in term of durable and performance which offer high cost - performance.

Easy Delivery Service & installation:

It is expected to be delivery to site by mid-size lorry. The installation of this septic tank is relatively simple and straight forward. The excavation work is shallow and is relatively environmentally friendly.

d) Field installation

