

POD - Prefabricated Oxidation Ditch System for Small-Scale Wastewater Treatment Plants -

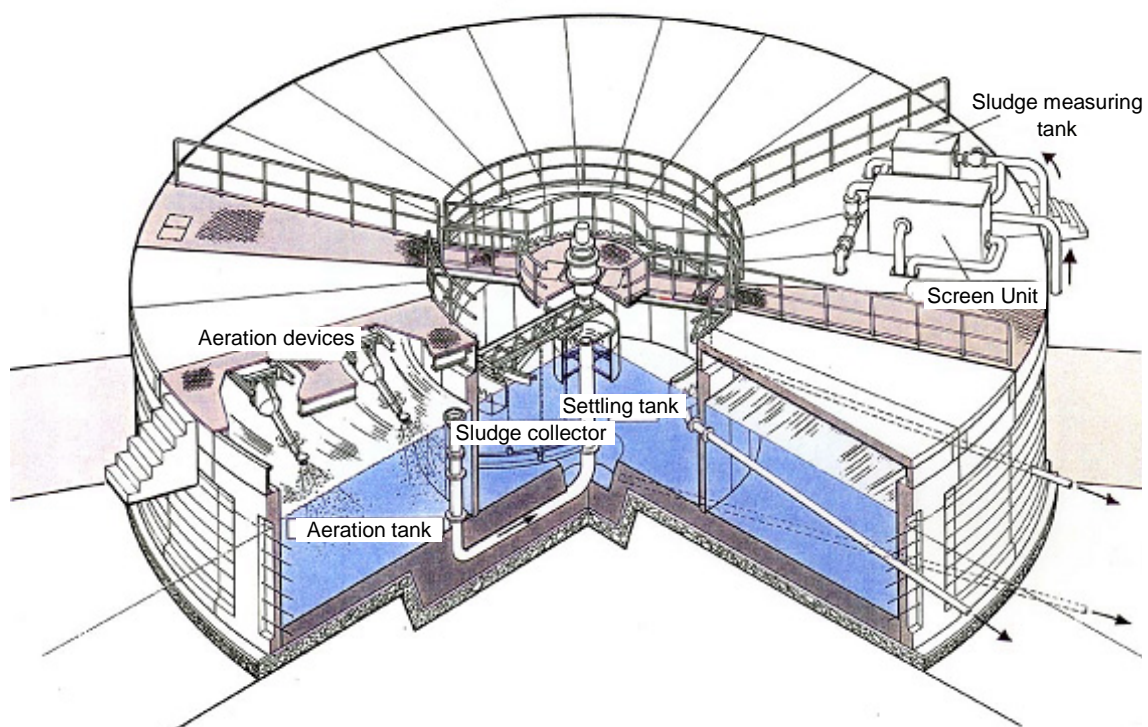
What is POD?

The Prefabricated Oxidation Ditch System (POD) is a system package for small-scale wastewater treatment plants (WWTPs) constructed with prefabricated materials.

Features of POD

Since POD is a package system, it can facilitate the design process.

- 1) As prefabricated materials are factory-produced, POD can shorten the construction period while ensuring the quality of the plant.
- 2) As a feature of OD process, operation and maintenance of POD is easy.



POD Standard Specifications

The design information of POD package system is highly standardized in “POD Standard Specifications”:

- 1) The design influent concentration is assumed to be 200mg/l for both BOD and SS.
- 2) The line-up of the package system includes 10 different sizes whose capacity ranges from 300 m³/day to 1,200 m³/day.
- 3) The Spread Foundation type is adopted on the assumption that the ground condition is comparatively favorable.
- 4) The structure of oxidation ditch allows the covering at the live load (LL) of 0.5kN/m².
- 3) It is assumed that the operation and maintenance are carried out by patrol system.



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