

• Briefly describe each one of these parameters?

What are methods used for decoupling SRT from HRT?

Answers: "Methods used for decoupling SRT"

• The Solid Retention time is the average time the ^{activated} ~~activity~~ sludge solids are in the system. The SRT is an important design and operating parameter for the activated-sludge process and is usually expressed in days.

• Briefly describe Hydraulic Retention time (HRT) :-

The hydraulic retention time HRT in waste water treatment plant is a measure of an average length tank. It is also known as hydraulic residence time.

• The waste water is retained in different treatment unit at a particular time to achieve the desired parameters. The HRT followed in the homogenization tank is 12 to 24 hours. 24 to ~~48~~ 48 hours in aeration tank.

72 to 120 ~~days~~ days anoxic reactors, 5 to 12 hours
in Secondary clarifiers 3 to 5 hours in Primary clarifiers
30 minutes in chlorine tanks etc. During the design
stage itself the HRT of waste water in various stage
are calculated in order to achieve the output parameters.

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