

## Troubleshooting of Sewage Treatment Plants

# Richa Environmental Services Private Limited

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## Troubleshooting Bacteria Levels at Wastewater Treatment Plants

This document contains the factors and issues faced by clients from any capacity of Sewage Treatment plants or of any kind .

Sewage treatment Plants ( STP ) Troubles and shortcomings

- ❖ Equalization Tank
  1. Smell comes from Equalization Tank
  2. No homogeneous mixing in Collection tank
  3. No proper arrangement for coarse bubbles in Equalization tank
- ❖ Aeration Chamber / Reactor
  1. Inappropriate Design of Aeration Chamber
  2. No BOD reduction in Reactor
  3. Dead zones are being created in Reactor
  4. Media is not supporting bacterial growth
  5. Fine bubble diffusers are of inadequate air supply
  6. No arrangement for fine bubble diffusers
- ❖ Tube settler
  1. Tube settler not separating sludge
  2. Under capacity of Tube settler
  3. No mechanism for recycle in Collection tank

## **Understand the effects of inflow and infiltration**

If your plant is facing above mentioned snags or any other faults then feel free to contact

**Mr Ranjeet Bhardwaj - +91 9810310547**



20 years of vast experience

Full proof solution

Cost effective

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## Solutions include

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**Can you control influent from your lift stations?**

**Seasonal conditions**

**Maintain optimal solids**

**Keep your weirs clean**

**Optimize chlorination**

**Maintain the chlorine contact chamber**

<http://www.richaservices.com>

## **Detention time**

***Sequencing batch reactors or batch discharge***

**Sample properly and calculate averages correctly**

***Source tracking***

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