

Section-5 -

Objectives of grit removal:-

- Grit removal basins are the sedimentation basins placed in front of the fine screen to remove the inorganic particles having specific gravity: $\rho > 2.65$.
- Such as sand, gravel, grit, egg shells, glass.
- pieces metal fragments etc and other non prescribed materials that may clog channels or damage pumps due to abrasion and to prevent their accumulation in sludge digesters.
- Grit chamber is the second unit operation used in primary treatment of wastewater and it is intended to remove suspended inorganic particles such as sand and gritty matter from the wastewater.
- Limited to municipal wastewater
Grit chambers are provided to protect moving mechanical equipment from abrasion and normal wear, avoid deposition in pipelines.