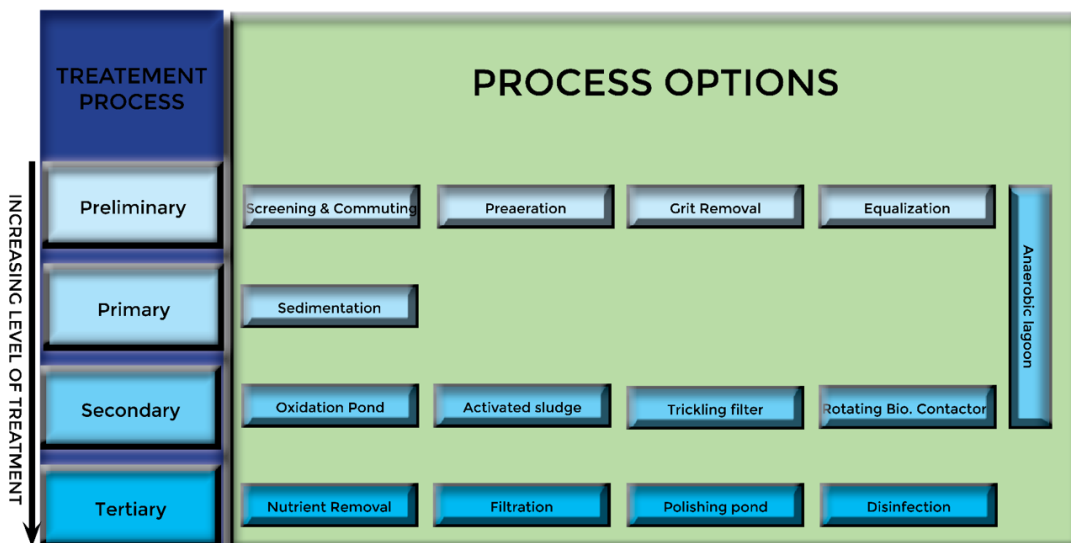


Individual wastewater treatment processes involve different process options or sequences which are illustrated in the graphic below:



As the treatment process becomes more advanced along with the increasing awareness of the resources involved in the treatment, there is a move underway to transform Wastewater Treatment Plants (WWTF) to Renewable Resource Recovery Facilities (RRRF) or Water Resource Recovery Facilities (WRRF) - one which produces clean water, recovers energy and generates nutrients.

3.4 Disposal or Reuse

- Wastewater treatment processes can be designed to **dispose** the treated water where the water is reintroduced to the environment or for **reuse** where the treated water is **reclaimed** or **recycled** - for various purposes including irrigation, industrial use or for potable use.
- Water disposal methods include:
 - **Surface water discharge**
 - **Subsurface discharge**
- Water reuse methods include:
 - Potable water reuse
 - * **Indirect potable reuse:** Here the treated water is blended with groundwater or surface water and then reclaimed and treated further for drinking (potable) water use
 - * **Direct potable reuse:** Here the treated wastewater is subjected to advanced treatment and introduced directly into a municipal water supply system
 - Water reclamation for irrigation or industrial use
 - Land application for beneficial use
- Solids generated from the wastewater treatment process may be removed and disposed to