



مشاريح البرهان الجديدة ش.م.م. New Burhan Enterprises LLC

Waste Water Treatment

Goals of water treatment:

- 1-To protect the health community. (portability or primary drinking water standards.
- 2-To supply water that is aesthetically desirable. (portability or secondary drinking water standards.
- 3-To protect the property of the consumers.
- 4-All the above criteria should be achieved at the reasonable cost.

Removing the coarse suspended and floating matters such as rags, plastic, pieces of woods, etc.; by means of screening. Remove grit, sand, broken glass, etc. in grit chambers. Remove oily substances by floating it in the skimming tank.

WASTE WATER TREATMENT PROCESS

An overview of how waste water is cleaned and treated before returning to the water supply.

(Methods vary between countries depending on water standards)

36% of the World's population does not have adequate sanitation.

Source - World Health Organisation



1

Waste water and sewage is pumped underground to the lifting station where it is chemically treated and sent for separation.

2

The separation process filters out solids larger than 1.3mm. This waste is then transported to a refuse facility and buried.

3

Primary settling basins allow heavier material to sink and be scraped away. The waste is then fermented for 30 days and used as fertilizer.

4

Affluent is then pumped to the bio-reactors for 9 hours. Through a series of stages bacteria break down harmful matter and clean the water.

5

Secondary Clarifiers gravity feed the water through and bacteria continues to clean the water to a drinkable level.

6

The water is finally chemically treated with chlorine to ensure it is free from bacteria. Then it passes over a weir and into the water supply.

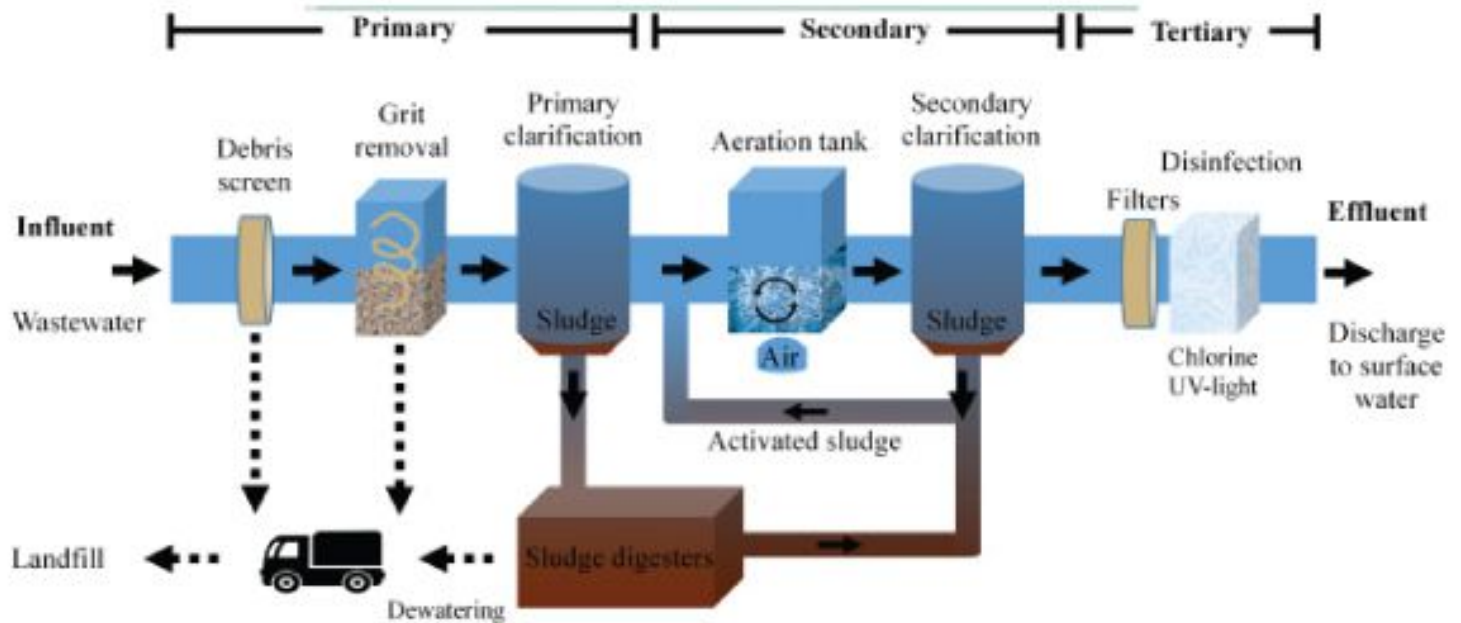
B.O.D. test determine the amount of oxygen required to oxidize the organic matter in the waste water. It determines the size of treatment system needed. It assesses the efficiency of treatment process.



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Waste Water Management

Start up services often required equipment maintenance, performance check, testing water quality etc. Repair service will help to diagnose and then provide the complete repair solution need.



Our preventive maintenance service typically include replacements of filters cartridges, ultra violet bulbs, filtration media Ph, chlorination Hardness, conductivity, R.O. parameters, calibration, mechanical checks on all equipment's and components.

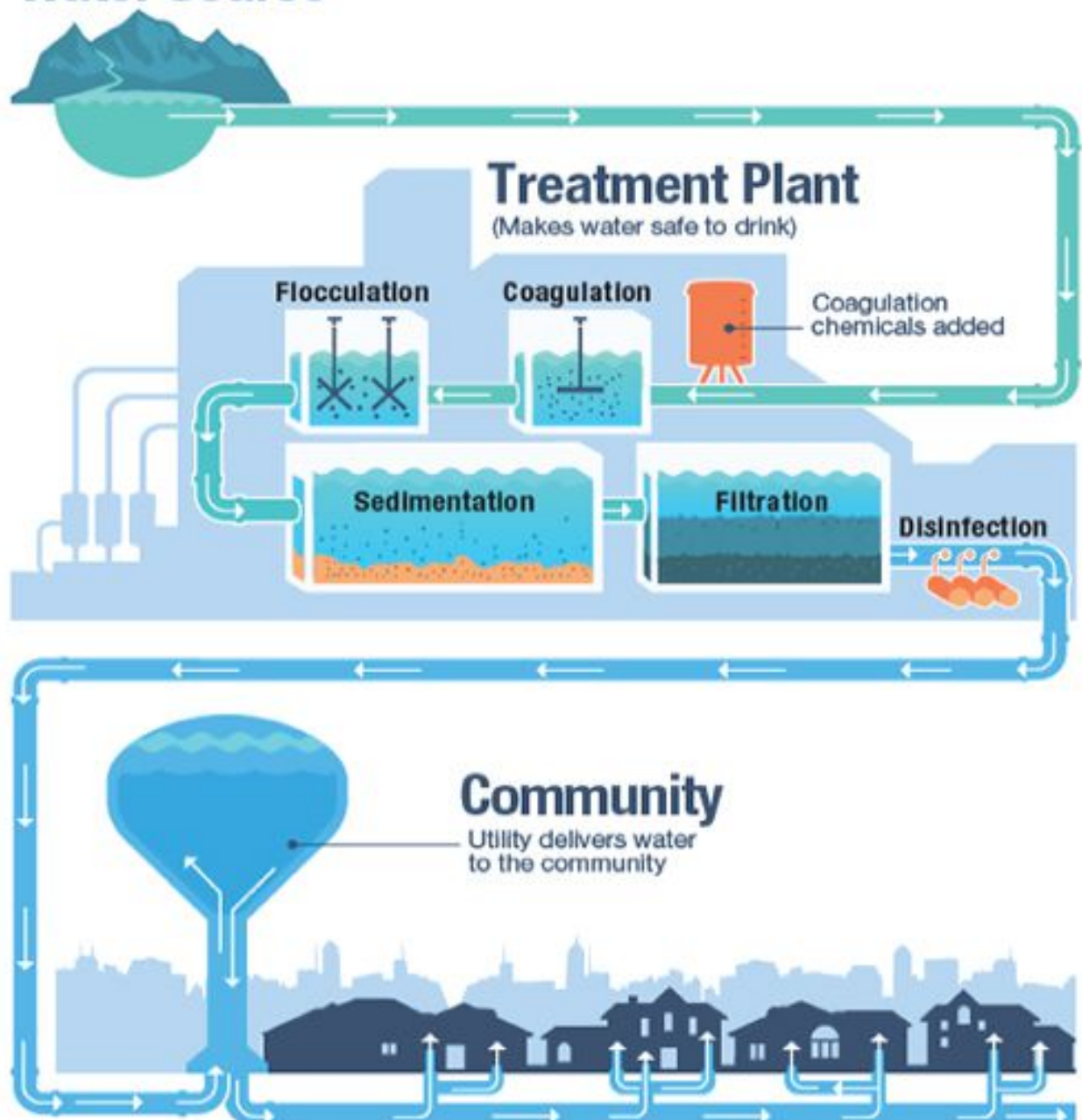




Water Filtration Process

Filtration are primarily used to remove particulate matter and turbidity from the water. The primary types of filters used in water treatment are rapid sand filter or gravity filter and pressure filters. Special membrane filters are used for particulate and microbial removal. Special filters are used to employ resin and media to remove contaminants such as iron and manganese. Activated carbon filters are used to remove organic compounds.

Water Source





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3 REASONS
TO FILTER
YOUR WATER

HARDNESS

SAFETY

TASTE





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Annual Maintenance and Contract

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