

ECOLOGICAL AND ECONOMICAL IMPORTANCE OF WASTE WATER TREATMENT

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Water resources were one of the environmental factors which reacted with ocean, affected by climatic, geological changes, pollution phenomenon, all water in nature component suspended dissolved matter in different quantity, that waste water in every kinds as domestic, industrial, agricultural and others contains to additional pollution matter, these were byproducts of human activities, these several wasters caused water pollution, depended this pollution on degree of pollution concentration; types of wasters and to the conditions of hydrological, physical and climatic of water sources, which these garbage throws in water sources.

Consider water pollution great international problems, which require studying, carefulness, how to find capability means for its limit and treatment. Ecological engineering was the main direction of protection natural resources from pollution and prevention of spreading diseases which transfer by water, further scientific carefulness to supply potable (drinking) water to human consumption and other using, special means to escape from waste water that must be laying standards to limitation types and amounts of these polluted in water sources and following of control to these polluted.

The water was strategically, essential element which connected with organisms life and social, economic development, arise water depletion and its specific decline in much countries of the world, by the result of increasing demographic growing, which causing more requirement to water, also climatic changing, human activities development where of caused decreasing water resources, consider waste water resources with human progress, by opposite of tradition water resources which directed continuously to depletion specially in arid and semi-arid regions, by reason of changes world environment, increasing world heating and less rain water, that must be benefit from waste water by re-using after treatment in some life field, also reduction load from surface and ground water.

There are many advantages of re-using waste water, where improve the environment by lowest of garbage with treatment, water addition, keeping the quantity of water resources from depletion. Consider agricultural section in much consumption of water about 70-80%, that possible necessity satisfy of this section from re-using water in irrigation.