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Aquatic Contamination by Industrial Wastewater and its Impact on Aquatic Organisms

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Industrial Water and Water Contamination, Industry may be a gigantic source of water contamination it produces toxins that are greatly harmful to individuals and the environment. Numerous industrial facilities utilize freshwater to carry away waste from the plant and into waterways, lakes and oceans. Industrial waste may be semi-solid or liquid in form, solid. It may be dangerous waste or non-hazardous waste. Industrial waste may contaminate the adjacent soil or adjoining water bodies, and can contaminate groundwater, lakes, streams, waterways or coastal waters [1].

Sewage treatment plants can treat a few industrial wastes, i.e. those comprising of conventional toxins such as biochemical oxygen demand. Industrial wastes containing poisonous toxins or high concentrations of other poisons require specialized treatment systems. Wastewater containing nutrients frequently causes eutrophication which can kill off existing life in water bodies [2]. Thermal pollution, discharges of water at elevated temperature after being utilized for cooling, can also lead to contaminated water. decrease species biodiversity, and cultivate invasion by new thermophilic species [3].

One of the major impacts of industrial waste is water contamination. For numerous industrial forms, water is utilized which comes in contact with harmful chemicals. These chemicals may incorporate natural compounds, metals, supplements or radioactive material. Drinking water sources and irrigation water utilized for cultivating may be affected. The toxins may degrade or destroy environment for animals and plants. In coastal zones, fish and other oceanic life can be contaminated by untreated waste [4].

Plants not able to photosynthesize, It can also block the gills

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of fish and make it difficult for them to utilize dissolved oxygen from water Numerous of our water sources have a high amount of industrial waste in them, which seriously impacts the health of our environment.

Contaminated water is unsuitable for drinking, recreation, agriculture, and industry. It decreases the aesthetic quality of lakes and streams. contaminated water cause harm to the oceanic life and decreases its reproductive ability. Inevitably, it may be a danger to human wellbeing.

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