



MARINE POLLUTION: ITS EFFECT ON LIFE AND ITS REMEDIES

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Abstract:-

Environment Pollution is a wide reaching problem and it is likely to influence the health of human pollution is great. This paper provides the insight view about the effect of Marine Pollution on human and aquatic life by diseases and problems. Study finds that there kinds of pollution are not only seriously affecting the human but also the animals and trees / Plants of aquatic action. According to author still time left in the hands of global institution, governments and local bodies to use the advance resources to balance the environment for living and initiates the breathe d intellectuals to line friendly with environment.

Keyword: Environment pollution marine pollution, Remedies

Introduction :-

Seas are the unlimited source of water for Man. Secondly they are the main source of food and earning for parsons living in coastal areas. When the marine water is polluted it effects the animals and other food chain components. Researches shows that many marine animals secrets the medicinal chemicals which are useful to mankind and other living organisms. When water will be polluted it will effect the animals present in seas. Generally drainage from rivers, industries. Human activities from coastline area, disposal of radioactive wastes and toxic materials, leakages from ships are main source of marine pollution. When ship and other animals take such polluted water get affected. When man take them dies. Leaked oil other pollutants from ship spread over in sea, get absorbed on sediments. It effects the marine life. This is due to dumping of wastes material from outside, which is harmful too, in ocean affect their ecosystem. This is known as marine pollution.

SOURCES OF MARINE POLLUTION

The main sources of marine pollution are :-

1. Rivers are the main source of marine pollution. They carry wastes in their drainage and joints the sea/ocean. The drainage include sewage sludge, industrial effluents, detergents, agrochemicals, plastics, metal scraps etc.
2. Catchment area-like India and other countries too, many big cities and industries are situated alone the coast line. Every large amount of wastes from hotels, wastes effluents mixed with detergents, sewage from corporations and industries, other wastes from human activities are mixed in sea water.
3. Ship which carry toxic substances, lubricating oil, paints heavy oils, fuels, automotive materials and other chemicals

from one place to another, some times by accident or by leakages pollute the marine water.

4. Testing of atomic weapons, space aircrafts, missiles (generally developed country do this) and other radioactive wastes when dumped in seas, causes heavy loss to aquatic biota.
5. Harmful effluents from nuclear power station or from other scientific organizations like BARC in India, chemical industries, fertilizers, Pesticide and insecticide industries when mixed in marine water cause harmful effects to marine life.
6. Marine pollution also caused by oil drilling in seas, tourism activities and heat released from industries etc.

EFFECTS OF MARINE POLLUTION

The major effects of marine pollution are as follows :-

1. Oil is most dangerous pollutant when afloat on sea or mixed with water a great threat to marine life specially fish birds, invertebrates and algae. Thousands of birds killed every year because once they oiled. Seldom survived despite efforts to clean themselves.
2. Oil of se also effects sensitive flora and fauna, phytoplankton, zooplankton and other animals. In Alaska, Brittany (France), Elbe (Germany) thousand of birds died by oil spillage.
3. Plastic or Plastic materials when dumped into sea by commercial ships or from drainage. Animal take it through their food in stomach. It causes ulcer and reduces hunger.
4. Marine pollution effects the food chain in seas. Serious diseases like cancer the caused when affected animals are taken by man from ocean.

5. Detergents, either from cleaning up the spills or from drainage, also responsible for high mortality of marine life.
6. Heavy metals (like lead and mercury), factory materials, mineral oils, acids and other biocides are also measure threat to marine life when mixed with sea water.

Apart from these major effects, there is a heavy loss of economy after getting polluting animals and chemicals from marines.

CONTROL OF MARINE POLLUTION

The control of marine pollution can be studied in following two steps :-

1. Steps already in operation

- (i) Port authorities are alert and introduced anti pollutant measures by creating pollution cell. But deeper in sea coastal guards are doing this job.
- (ii) Various research organizations, institutions are working in this field to check the marine pollution.
- (iii) In most of the countries (India too), the monitoring and survey in operation to control the marine pollution.
- (iv) Authorities are taken care of effective measures to check the oil leakage from ships and tankers.
- (v) Urban and coastline corporations are trying to check the dumping of wastes from human activities & Municipal etc. solid waste management is helping to recycle or reuse.

SUGGESTING STEPS TO CONTROL MARINE POLLUTION

- 1) Dumping of oil ballest, hazardous and toxic substances, gases from radioactive labs into sea, should be banned or should be properly treated before dumping.
- 2) Drainage, sewage sludge and effluents from industries should not be discharged in to rivers which joint sea.
- 3) Developmental activities on coastal areas should be minimized.
- 4) Toxic pollutants from industries and treatment plants should not be discharged into sea.
- 5) Ships and ports should have certain facilities for reducing pollution.
- 6) Certain biological and other methods should be followed to restore species diversification and eco balance in the water body to prevent pollution.
- 7) Effective measures should be developed to check the leakage in ships and oil tankers.
- 8) Nuclear explosions and other nuclear activities in sea should be minimized.

- 9) Wastes from municipal, industries, sewage and thermal power stations should be recycled for reutilization. Such plants should be developed. Some are in operation.
- 10) We should develop awareness in people to reduce the amount of waste in their daily life.
- 11) Drilling should not be allowed in coastal areas.

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