



Other Abstracts

Solve the Problem of Water Pollution

Author: Szeto C H

Institution: Department of Medicine, Yan Chai Hospital

Introduction:

Keeping the environment clean makes the plants, animals, and people healthy.

Purpose of the Project:

To achieve marine and inland water quality, we aim at the provision of good sewage facilities, enforcing the Water Pollution Control Ordinance and the Dumping At Sea Ordinance.

Material:

Pollution can be tackled through education, laws, and economics. A team of investigators measures the sea water quality in terms of (1) time, location and depth of sea water sampling, (2) dissolved oxygen in seawater, (3) PH, temperature, salinity, turbidity of sea water and the weather condition. We also need a microbiological laboratory to measure the total coliforms, faecal coliforms, fecal streptococci in sea water according to the Standards for Bathing Water Directive.

Methods:

Measure the sea-water quality half yearly for 3y starting from enforcing the following measures. During this period of time, we need to educate people by telling that they can catch illnesses from polluted water in sewage. Volunteers are banded together to organize beach-cleaning sessions. Fish can no longer be healthy or plenty because of the pollutes poured into the sea especially from the factories. Environmental laws should be tougher for people who pollute. Of course, to be really effective, co-operation across national and international borders is required. Polluter pays principle is well accepted. It states that whoever causes pollution should pay to clean it up. Tanker owners should covers the cost of oil spill cleanups. Shoppers pay for their plastic bags. Factories have their water inlet pipes downstream of their effluent outflow pipes, so if they cause pollution they themselves are the first people to suffer.

Results:

Water quality improves in terms of increase in the quality of seawater.

Conclusion:

Citizens should use environmentally friendly detergents. We should not pour Oil should not be poured down drains and use of pesticides should be reduced. Beach cleansing, litter picking, enforcing environmental laws also work.