

A BRIEF NOTE ON INDUSTRIAL POLLUTION

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DESCRIPTION

Industrial pollution is a type of pollution that's produced by factories and industries. It produces diseases and deaths globally due to the pollutants it produces. The effects of industrial pollution are severe and widespread.

Types of Industrial Pollution

Water pollution occurs when the waste from an industrial facility is dumped into rivers and water bodies. These toxins, which are toxic chemicals, can kill aquatic life and contaminate the water supply of humans and animals.

Soil Pollution is the rapid growth of industries has dumped vast amounts of industrial wastes on the soil. These wastes, which usually contain toxic chemicals, are not biodegradable and are mainly discharged into the environment. The effects of industrial waste on the soil are severe and can affect the health of the organisms living in it.

Air pollution is caused by industries which produce smoke and chemicals. Some of these include steel plants, cement factories, oil refineries, and sugar cane plants.

Noise pollution is caused by the level of sound pressure depends on the source and the environment. For a machine, the pressure depends on its component parts that are used to convert the energy into acoustical energy.

Effects of Industrial Pollution

The effects of climate change have caused water levels to rise due to the melting of glaciers. It has also led to the disappearance of many animals and plants. Due to the depletion of green cover, many species are becoming extinct. The pollutants in industrial waste streams make water unfit for human consumption. The water quality of the water they enter also suffers as it contains toxic substances that can cause diseases and aquatic life to die. The toxic substances released by factories and industrial

units have caused various health problems such as cancer, lung dysfunctions, asthma, etc, and resulting of acid rain from pollution makes soil and waters more acidic and killing wildlife.

Causes of Industrial Pollution

- Lack of effective policies and regulations contributed to the pollution that harmed the public.
- Unplanned industrial growth has affected the environment and human health.
- Most companies still rely on outdated technology to generate waste-free products. They often use this resource to make high-end products and save time.
- Many small scale industries don't have the capital or the ability to operate properly. They often escape environmental regulations and release a large amount of toxic gases into the atmosphere.
- Inefficient waste disposal causes water and soil pollution. It can lead to long-term health issues and contaminate the air quality in the area.

Control of Industrial pollution

- The goal of pollution control is to keep people and materials clean. It is usually carried out by enforcing rules and regulations that are designed to keep pollutants in check.
- The government can also impose strict regulations against factories that produce more toxins than the pollution board has prescribed.
- Before an industry can be established, the site should be thoroughly examined to take into account the various factors that will affect its operation.
- Control at Source process involves improving the handling of exhaust gases and ensuring that they are properly mixed with the pollutants that are discharged.
- Environmental Impact Assessment process aims to identify and evaluate the environmental impacts of various industries.