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ENVIRONMENTAL POLLUTION AND MEASURES AGAINST IT

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Annotasiya: *waste reduction measures against. which prshutdown of factorie gas shutdown of factories*

Key words: *pollution. Business. P2. Impact. Epa. Control*

Pollution prevention (P2) is any practice that reduces, eliminates, or prevents pollution at its source before it is created. As shown by the EPA Waste Management Hierarchy, P2, also known as “source reduction,” is fundamentally different and, where feasible, more desirable than recycling, treatment or disposal. It is often more cost effective to prevent pollution from being created at its source than to pay for control, treatment and disposal of waste products. When less pollution is created, there are fewer impacts to human health and the environment.

Pollution prevention approaches can be applied to all potential and actual pollution-generating activities, including those found in the energy, agriculture, federal, consumer and industrial sectors. Prevention practices are essential for preserving wetlands, groundwater sources and other critical ecosystems – are In the energy sector, pollution prevention can reduce environmental damages from extraction, processing, transport and combustion of fuels. Pollution prevention approaches include:

Increasing efficiency in energy use;

Use of environmentally benign fuel sources.

In the agricultural sector, pollution prevention approaches include:

Reducing the use of water and chemical inputs;

Adoption of less environmentally harmful pesticides or cultivation of crop strains with natural resistance to pests; and

Protection of sensitive areas.

In the industrial sector, examples of P2 practices include:

Modifying a production process to produce less waste

Using non-toxic or less toxic chemicals as cleaners, degreasers and other maintenance chemicals

Implementing water and energy conservation practices

Reusing materials such as drums and pallets rather than disposing of them as waste

In homes and schools examples of P2 practices include:

Using reusable water bottles instead of throw-aways

Automatically turning off lights when not in use

Repairing leaky faucets and hoses

Switching to “green” cleaners

Pollution control, in environmental engineering, any of a variety of means employed to limit damage done to the environment by the discharge of harmful substances and energies. Specific means of pollution control might include refuse disposal systems such as sanitary landfills, emission control systems for automobiles, sedimentation tanks in sewerage systems, the electrostatic precipitation of impurities from industrial gas, or the practice of recycling. For full treatment of major areas of pollution control, see air pollution control, wastewater treatment, solid-waste management, and hazardous-waste management.

Next to the conservation of species from the loss of biological diversity, the control of pollution is the conservation problem of greatest magnitude; it might even be argued that pollution control is more urgent and important. Ultimately, the control of pollution involves a number of social decisions: 1) not to allow the escape into the environment of substances or forms of energy that are harmful to life, 2) to contain and recycle those substances that could be harmful if released into the environment in excessive quantities, and 3) not to release into the environment substances that persist and are toxic to living things. The knowledge and technology needed to put these decisions to work are now available. Pollution control does not mean an abandonment of existing productive human activities but their reordering so as to guarantee that their side effects do not outweigh their advantages.

However, for economic reasons, none of these measures is applied universally, and political and social pressures have not yet forced their application. Developing countries have expressed fear that excessive concern over pollution could impede their economic development—and indeed some of these countries have become sanctuaries for industries that find it less expensive to operate there than in areas with more rigorous standards. It is apparent that pollution control, regardless of the advanced state of its technology, will become a reality only when people demand it and only when nations are willing to agree on appropriate international standards.

DUPUIT

Related Topics: postal system water supply system mass transit regulatory agency environmental infrastructure

The classic explanation for the need to regulate public utilities is that they are enterprises in which the technology of production, transmission, and distribution almost inevitably leads to complete or partial monopoly—that they are, in a phrase, natural monopolies. The monopolistic tendency arises from economies of scale in the particular industry, from the large capital costs typical of such enterprises, from the inelasticity of demand among consumers of the service, from considerations of the excess capacity necessary to meet demand peaks, and other considerations. It is often also the case that the existence of competing parallel systems—of local telephones or natural gas, for

example—would be inordinately expensive, wasteful, and inconvenient. Given the tendency to monopoly and the potential therefore of monopolistic pricing practices, public regulation has for more than a century been applied to certain classes of business.

as in which we especially want to stop pollution before it begins.

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