ENVIRONMENTAL STUDIES

LECTURE-25

Solutions to Environmental Pollution

- Gas emission pollution is being mitigated in a variety of ways with car emission control, **electric and hybrid vehicles and public transportation systems**. Not all major cities

- power plants is becoming apparent and the days of coal power plants are nearly dead. The radiation is a serious issue. Radioactive leakage from power plants and nuclear testing have already contaminated oceanic life to such a degree that it will take hundreds of years to return to normal. More radiation solutions are in the works with various **ecologically friendly power technologies** being built every day.

- **Solar power is a fantastic solution**. Now that solar radiation is at a climactic peak, we can reap power from the sun using solar panel systems. These range from home systems to larger scale systems powering entire communities and cities.

- **Wind power is coming** have successful implementation and decent public transportation in place, but the world is working on this issue constantly and we have managed to reduce emissions profoundly over the last decade. There is much catching up to do.

- The cost of radioactive **into play**. This may not seem like much at first, but when you get about 100 feet off the ground, there is a great deal of wind up there. By building wind turbines to harvest natural wind energy, electricity is produced. Wind turbine power and solar power are both powerful forces against fossil fuel power and radioactive power. The one problem here is power companies. They want to stay with radioactive power plants because they actually can't be removed. It has become the crusades of many individuals and small corporations to make the switch and there are plenty of people following this as populations cry out for help.

- **Electromagnetic radiation (ER) reduction**. Once major manufacturers of computers and electronic devices realized the blatant potential for huge ER emissions directly into the eyes and brains of users, they started to implement hardware protocols to minimize risks and reduce ER production significantly. Newer devices are in the lead to knock this problem out and, fortunately, this is working.

Also, the Environmental Protection Agency (EPA) is well aware of all leaks and tricks industries are using to dump wastes. This agency now has extremely strict protocols and testing procedures implemented against such facilities so populations are not affected. Additionally, the EPA is measuring air pollution and implementing regulatory procedures for vehicle emissions. They also monitor pollen issues and, with the help of the Centers for Disease Control (CDC), they implement solutions to reduce pollen in the air.

Dropping pollen counts is a major focus for EPA and CDC activities. Asthma and other allergic conditions are flooding medical care facilities and pharmaceutical companies with serious public health problems. The response has been swift and various methods to control emissions and reduce pollen counts are in the works. Children and elderly people are at the highest risk for environmental pollution related health problems. The good news is we are directly on the horizon to cut down the causes and risks while providing practical health solutions for the general public throughout the world.

Pollution control

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.