

MODULE 4

CIVIL ENGINEERING

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MODULE 1

HEALTH CONSIDERATIONS



Health Considerations at Work Place: types of diseases and their spread, Health Emergency. Personal Protective Equipment (PPE) – types and advantages, effects of exposure and treatment for engineering industries, municipal solid waste. Environment management plans (EMP) for safety and sustainability

IMPACT OF POLLUTION

Figure 1.1 MPACT OF POLLUTION – COMMUNICABLE DISEASES



Communicable diseases claim more lives globally than other fatal events, according to Medline Plus, a service of the National Institutes of Health. These diseases are generally bacterial, viral, fungal, or protozoic in origin. Infection usually occurs via exposure to disease-causing microbes, explains the National Institute of Allergy and Infectious Disease. Some communicable diseases are curable; others are not. Regardless of type,

communicable disease can have certain general effects on health. Communicable diseases can affect appetite, notes MayoClinic.com. By and large, the appetite is generally reduced relative to normal levels. The precise severity of appetite loss may depend on the kind of communicable disease as well as any pharmaceutical substances that may already be present prior to infection.

MODES OF TRANSMISSION

- WATER
- AIR
- PHYSICAL TOUCH
- FOOD
- UNHYGIENIC SURROUNDINGS
- MOSQUITOES
- RODENTS
- ANIMALS

HEALTH & SAFETY

Inspection of work activities on a priorities, planned basis

- Investigation of accidents, dangerous occurrences and health & safety complaints
- Provision of advice to employers, employees, their representatives and members of the public
- Organization of specific health and safety initiatives which are in line with the current HELA Strategy
- Investigation of health and safety complaints

INFECTIOUS DISEASE CONTROL

Visiting the community to give advice and gather information

- Investigation of all statutory notifiable cases of food poisoning and other infectious diseases
- Liaison with statutory bodies, voluntary groups and other council departments
- Participation in health partnerships
- Programmed health initiatives which are in line with policy areas of the Government's Public Health Agenda and any local Health Improvement Programmes
- Production of relevant infectious disease statistics for the City of Derby.

SAFETY ACTIONS

- ENSURE THE MEMBERS ARE FULLY INFORMED AND TRAINED ABOUT THE RISKS OF THEIR JOB AND APPROPRIATE PREVENTION AND CONTROL MEASURES INCLUDING VACCINATION
- ENSURE THE EMPLOYER HAS A DISEASE REPORTING SYSTEM IN PLACE
- ENSURE THE EMPLOYEES ARE INSTRUCTED TO USE THIS SYSTEM
- ENSURE THAT THE EMPLOYER CARRIES OUT A COMPREHENSIVE RISK ASSESSMENT WHICH COVERS PREVENTION, CONTROL, PROTECTION, EMERGENCY PROCEDURES & MONITORING AND HEALTH SURVEILLANCE.

- WHERE BIOLOGICAL AGENTS ARE BEING USED, STORED OR TRANSPORTED, ENSURE THAT THE CORRECT PROCEDURES ARE IN FORCE

- WHEN THERE IS A SERIOUS AND IMMINENT RISK OF INFECTION, WITH DRAW THE LABOUR

- IF ANY DISEASE SYMPTOMS OCCUR EMSIRE THE MEMBERS REPORT THESE IMMEDIATELY AND FURTHER ACTION IS TAKEN.

PERSONAL PROTECTIVE EQUIPMENT

PPE is a equipment worn to minimise exposure to a variety of hazards or to minimise a risk to the persons health and safety.

ADVANTAGES OF PERSONAL PROTECTIVE EQUIPMENT

- Helmets avoid dangers of falling material
- Eye protection equipment avoid danger of flying particles, harmful glare and dangerous substances.
- Blouse avoid dangers of rough objects.
- Safety footwear can avoid foot injury
- Earplugs helps in protecting ears from noise
- Respirators avoid respiratory problems
- Body protection avoids injuries like cuts and radiation
- Safety belts can be provided to avoid injuries

- Catch nets must be provided for people working at heights

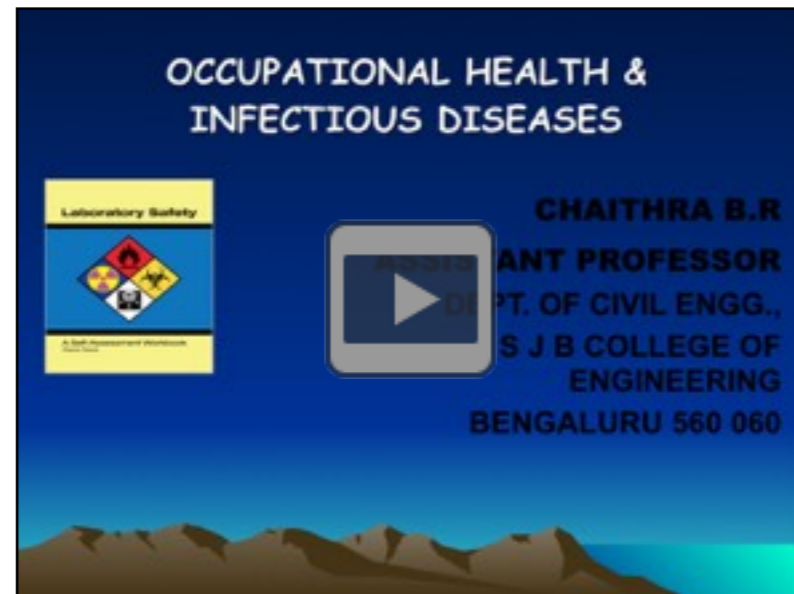
Gallery 1.1 SOURCE OF CONTAMINATION



INDUSTRIAL WASTEWATER DISCHARGE

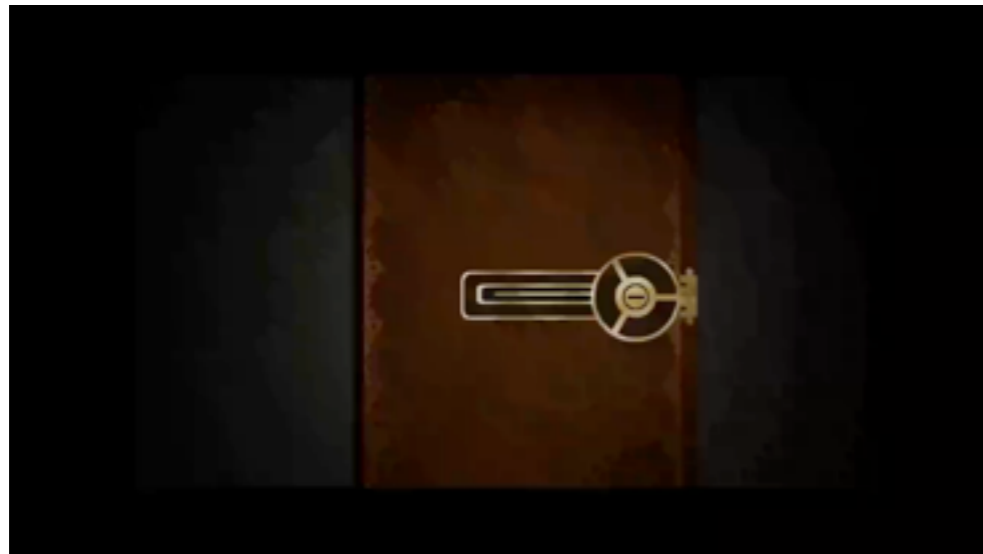


Interactive 1.1 INFECTIOUS DISEASES



Occupational health and infectious diseases

Movie 1.1 communicable diseases



Review 1.1 Lorem Ipsum dolor amet, consectetur

rubber insulating gloves shall be tested

- A. before first tissue
- B. every six months
- C. every year
- D. both a and b

Check Answer

Communicable disease

A communicable disease is one that is spread from one person to another through a variety of ways that include: contact with blood and bodily fluids; breathing in an airborne virus; or by being bitten by an insect.

Related Glossary Terms

Drag related terms here

Index

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