



PathoVision

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Your Environmental & Public Health Sentinel

Detailed Description of Detected Items

Detected Item :Plastic Film / Polythene

Plausible/Possible Diseases : Dengue, Malaria, Zika (via mosquitoes); Leptospirosis, Hantavirus (via rodents); potential microplastic ingestion.

Explanation : Plastic film can trap water, creating breeding grounds for mosquitoes that transmit diseases. It also provides shelter for rodents and other pests, which can carry pathogens. Over time, it degrades into microplastics that can enter ecosystems.

Advice and Precaution To Follow :

- Dispose of plastic film properly in designated bins. 
- Recycle clean plastic films where facilities exist. 
- Reduce reliance on single-use plastics to minimize waste. 
- Clear any trapped water in discarded plastic to prevent mosquito breeding. 
- Keep outdoor areas free of litter to deter pests. 

Detected Item :General Solid Waste

Plausible/Possible Diseases : Diarrheal diseases (e.g., cholera, typhoid), Food poisoning, Leptospirosis, Hantavirus, Dengue, Malaria, Zika (via vectors like flies, rodents, mosquitoes).

Explanation : Unmanaged solid waste attracts disease-carrying vectors such as flies, rodents, and mosquitoes, providing them with food, water, and breeding sites.

Decomposing waste can also release harmful substances into the environment and attract scavenging animals.

Advice and Precaution To Follow :

- Dispose of all waste in covered bins to prevent pests. 
- Ensure regular and timely waste collection in your area. 
- Separate organic waste for composting if possible. 
- Wash hands thoroughly with soap and water after handling any waste.
- Avoid direct contact with unsegregated or decaying waste.

Detected Item :Landfill Accumulation 

Plausible/Possible Diseases : Diarrheal diseases, Respiratory issues (from dust, odors, bioaerosols), Leptospirosis, Hantavirus (via vectors); indirect risks from contaminated water.

Explanation : Large accumulations of landfill waste create significant public health and environmental hazards. They serve as major breeding sites for various disease vectors and are sources of air pollution (methane, odors, dust) and potential groundwater contamination through leachate.

Advice and Precaution To Follow :

- Support and advocate for proper, regulated landfill management. 
- Prioritize waste reduction, reuse, and recycling to lessen landfill burden. 
- Ensure communities near landfills have access to clean water and health monitoring. 
- Report any unauthorized dumping or unsafe waste practices. 
- Minimize exposure to dust and odors near active landfill sites. 