



PathoVision

# PATHOVISION

Your Environmental & Public Health Sentinel

# Detailed Description of Detected Items

## Detected Item :Plastic Film & Polythene

Plausible/Possible Diseases : Vector-borne illnesses (e.g., Dengue, Malaria), gastrointestinal issues, endocrine disruption from chemical leaching.

Explanation : Plastic waste can trap water, creating mosquito breeding sites, and degrade into microplastics. It can also leach harmful chemicals into the environment, affecting ecosystems and potentially human health.

Advice and Precaution To Follow :

- \* Dispose of plastics responsibly in designated bins. 
- \* Reduce the use of single-use plastic items. 
- \* Support recycling and proper waste management initiatives. 

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## Detected Item :Accumulated Solid Waste

Plausible/Possible Diseases : Vector-borne diseases (e.g., Typhoid, Leptospirosis), diarrheal diseases (e.g., Cholera, E. coli), respiratory issues from odors and dust, skin infections.

Explanation : Unmanaged solid waste attracts pests like rodents and insects, which transmit diseases. It contaminates soil and water sources, posing significant public health risks through direct contact or ingestion.

Advice and Precaution To Follow :

- \* Ensure timely and proper waste collection. 
- \* Practice waste segregation at home (e.g., organic, recyclables). 
- \* Maintain good personal hygiene, especially after contact with waste.

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Detected Item :Landfill Waste Accumulation 

Plausible/Possible Diseases : Respiratory problems (asthma, bronchitis), gastrointestinal illnesses, skin and eye irritation, potential long-term risks like cancer from toxic exposure.

Explanation : Landfills generate harmful leachate that pollutes groundwater and emit gases like methane and volatile organic compounds into the air. These can impact nearby communities' health and the environment.

Advice and Precaution To Follow :

- \* Advocate for improved landfill management and monitoring. 
- \* Promote waste reduction, reuse, and extensive recycling programs. 
- \* Ensure proper siting of landfills away from residential areas. 