



PathoVision

# **PATHOVISION**

Your Environmental & Public Health Sentinel

## **Detailed Threat Report**

# Detailed Description of Detected Items

Detected Item :Here are the reports for the detected environmental objects:

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Detected Item :Plastic Film & Bags 🗑️

Plausible/Possible Diseases : Mosquito-borne diseases (e.g., dengue, malaria), waterborne illnesses (e.g., cholera, typhoid) if blocking drainage. Can also provide shelter for rodent vectors.

Explanation : Plastic film, when improperly discarded, can accumulate and block natural water flow, creating stagnant pools ideal for mosquito breeding. It also contributes to microplastic pollution in ecosystems.

Advice and Precaution To Follow :

- Always dispose of plastic waste in designated bins. ♻️
- Reduce your use of single-use plastics whenever possible. ♻️
- Participate in community clean-up efforts to remove accumulated plastics.

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Detected Item :General Solid Waste 🗑️

Plausible/Possible Diseases : Rodent-borne diseases (e.g., leptospirosis, hantavirus), insect-borne diseases (e.g., salmonellosis, cholera via flies), tetanus from sharps.

Explanation : Undisposed solid waste provides abundant food and shelter for pests like rodents and insects, which are vectors for various diseases. It also poses direct physical hazards and can contaminate soil.

Advice and Precaution To Follow :

- Practice proper waste segregation and dispose of trash responsibly. ➡️🗑️
- Ensure all waste containers are covered to deter pests. 🗑️
- Wash hands thoroughly after handling waste or being near waste sites.

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Detected Item :Landfill Accumulation 🗑️

Plausible/Possible Diseases : Respiratory issues (e.g., asthma, bronchitis from dust/gases), waterborne diseases (e.g., cholera, typhoid from leachate), various vector-borne diseases (e.g., from mosquitoes, rodents, flies).

Explanation : Large accumulations of mixed waste, typical of landfills, produce leachate that can contaminate groundwater and surface water. They also emit harmful gases and create extensive habitats for disease vectors.

Advice and Precaution To Follow :

- Support and advocate for proper waste management and recycling infrastructure. 🌐
- Avoid contributing to informal dumpsites to prevent environmental degradation. 🚫
- Maintain a safe distance from active landfill areas to minimize exposure risks. 😊