

Leachate

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Leachate Latest News

Environmentalists, wildlife activists, and locals recently sought immediate intervention by the Union Environment Ministry into the recurring illegal discharge of highly toxic, untreated leachate into the Aravalis.

About Leachate

- Leachate is a **highly toxic** and **contaminated liquid** usually **generated from municipal landfills**.
- This toxic liquid **accumulates at the bottom of the landfill**.
- Landfill leachate water **forms through waste decomposition, water infiltration, and chemical reactions** within a landfill.
- The **composition** of leachate **varies** depending **on the type of waste in the landfill**, the **landfill's age**, and **environmental conditions** such as rainfall and temperature.
- In general, leachate generally contains a **mix of organic pollutants, inorganic compounds, heavy metals, and microbial contaminants**.

- The chemical composition of leachate makes it dangerous; It can **contaminate the environment** and pose **serious health risks** if not properly managed.
- **Leachate management is critical** to landfill operations due to its potential to spread pollution and **contaminate virgin groundwater sources**.
- Strict environmental regulations mandate proper leachate collection and disposal to prevent environmental degradation.

Source: TH

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