Waste Management in the Textile and Garment Industry - " Sludge disposal through landfill"

SUSTAINABLE SOLUTIONS FROM

RE SUSTAINABILITY LTD.



Presentation Objective

....is to discuss

- ➤ Why industry must manage sludge
- How sludge can be managed

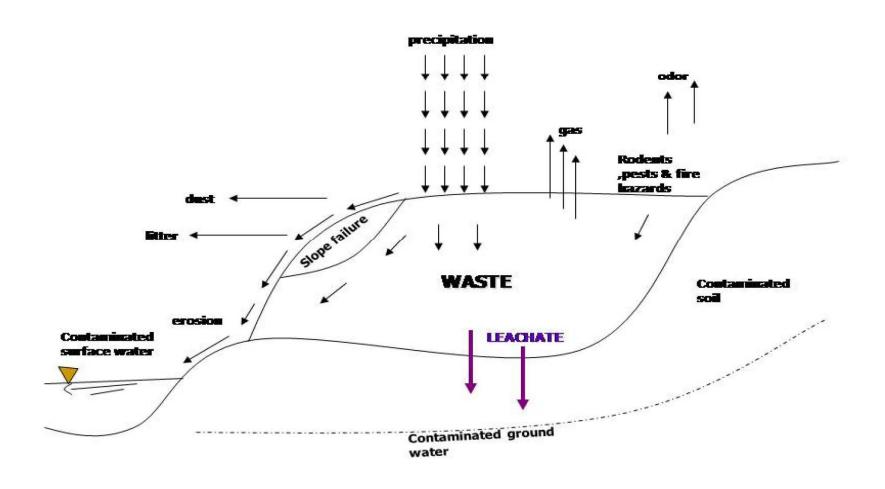
.... and look at

What can be done for the Textile and Garment industry in Bangladesh

Sludge which is not scientifically managed.....

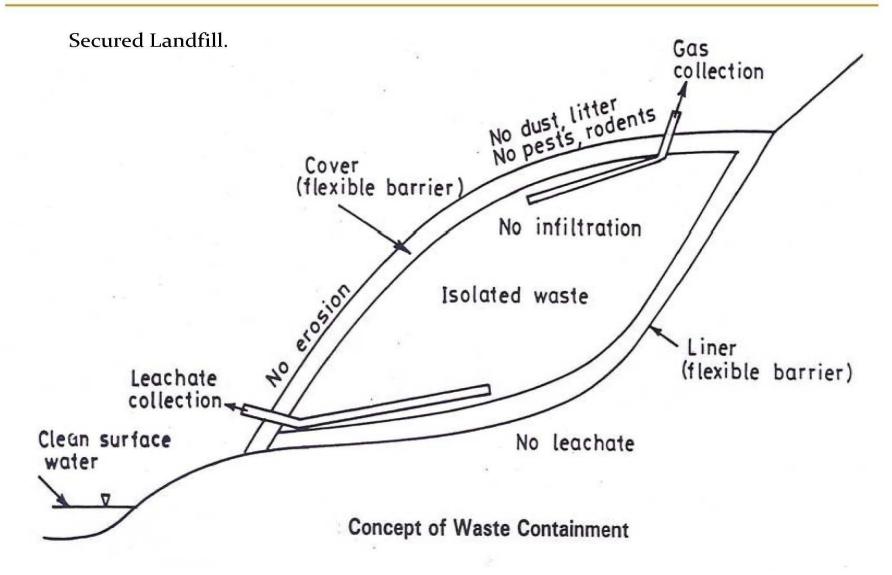


When waste is stored in land, it becomes a part of the hydrological cycle



Solution by developing Secured Landfill





Overview of Hazardous Waste



What?

Wastes that when present in quantities high enough, pose a threat to human health or the environment

	How?	Hazardous waste is generated by					
		Petroleum & Petrochemicals	Pharmaceuticals	Fertilizers & Pesticides	Paints & Dye	Chemicals	Textile
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Solution

Direct Landfill

- CRIT Compliant
- Heal value <20
- Biodegradable Organics <5%
- Non-Biodegradable Organics <20%
- Calorific Value <2,500kcal/kg

Landfill After Stabilization

- CRIT non-compliant
- Non-Biodegradable Organics <20%
- Calorific Value <2,500kcal/kg

Incineration

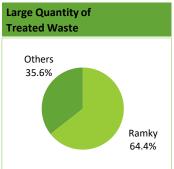
- Biodegradable Organics >5%
- Non-Biodegradable Organics >20%
- Calorific Value >2,500kcal/kg













DISPOSAL METHODS









Responsible Sludge Management- Roles of Stakeholders

Authority(Govt/DoE/PCB)

Legislate laws

Permit

Monitor

Waste Generator

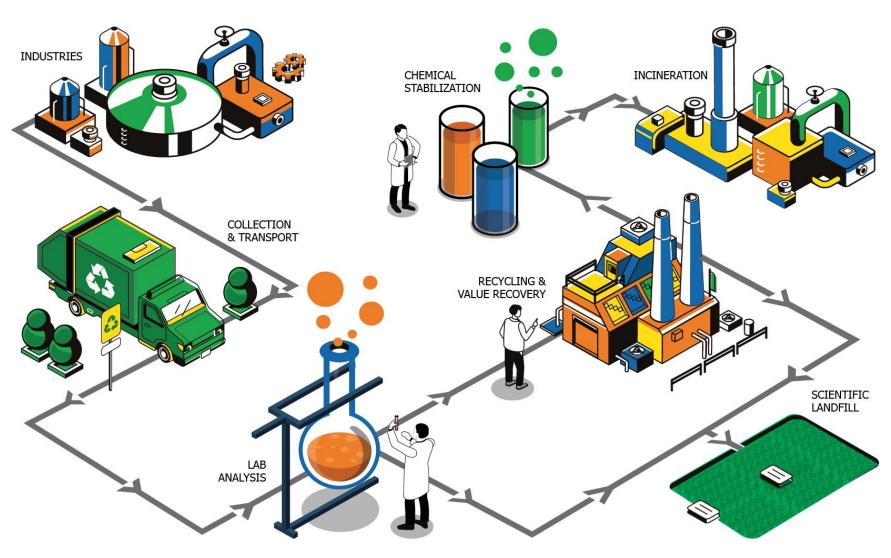
- Legislate laws
- Permit
- Monitor

CHWTSDF Operator

- Legislate laws
- Permit
- Monitor

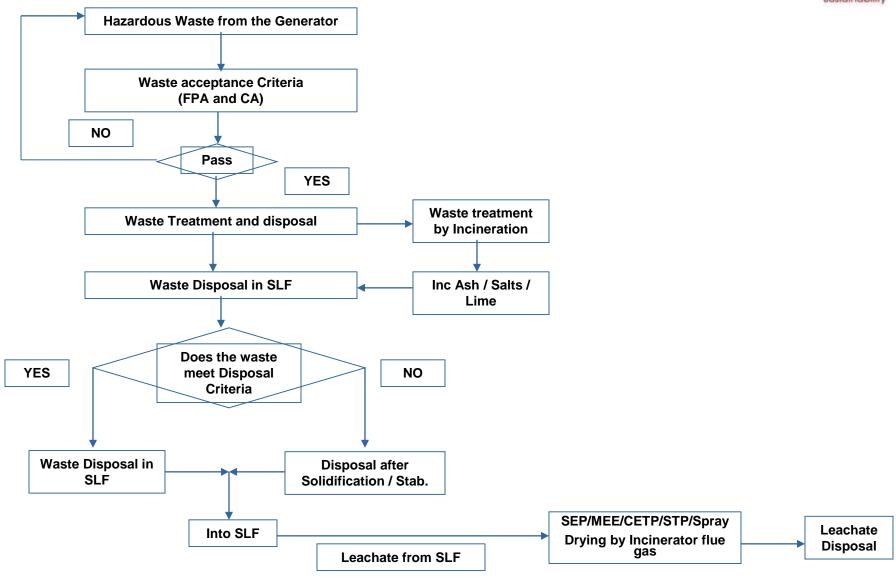
Hazardous Waste Management: Process Outline





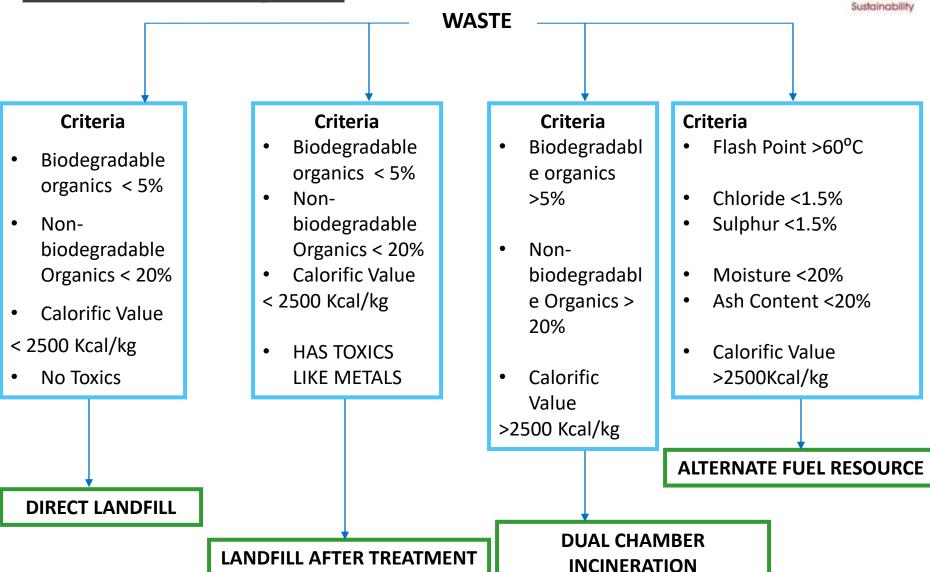
Flow chart of Hazardous Waste Disposal





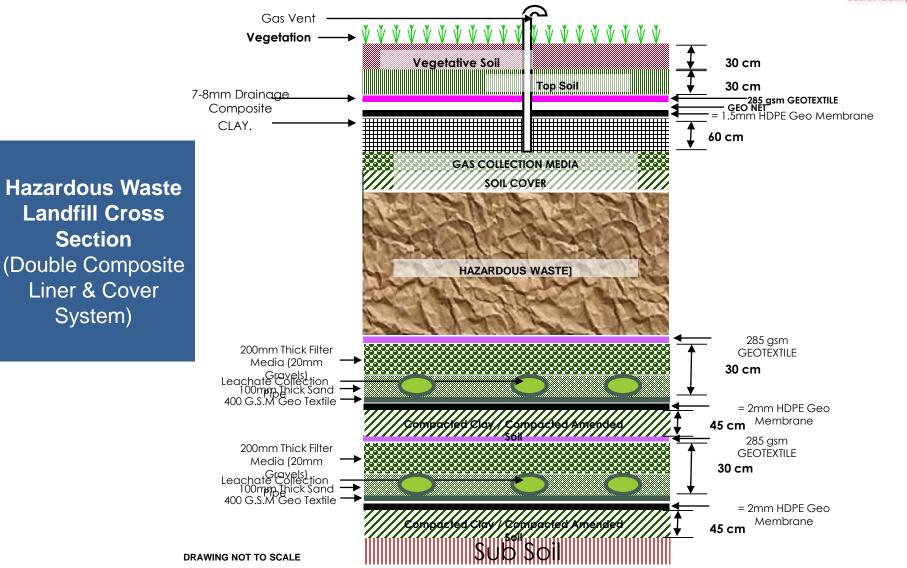
Methods of Disposal





Construction of Landfill





SLF Construction, Landfill, Cap & Closure





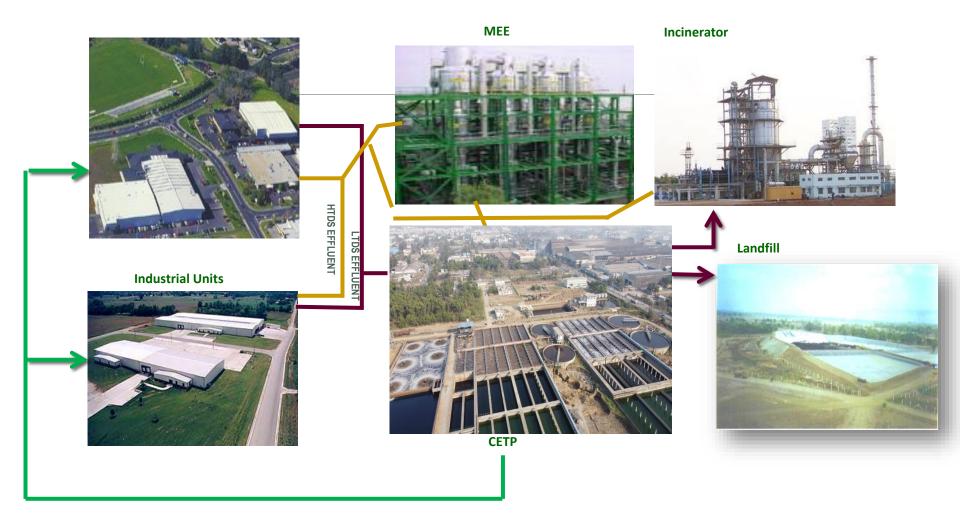






COMPREHENSIVE SOLUTION FOR SLUDGE MANAGEMENT



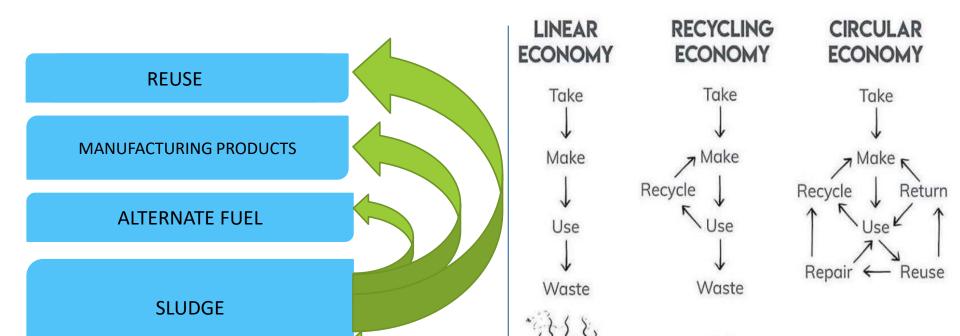


Treated Water

THE JOURNEY TOWARDS CIRCULAR ECONOMY

POINTS OF GENETRATION







ONE STOP SOLUTION FOR SUSTAINABILITY















ACCELERATING **SUSTAINABLE REVOLUTION**BY SERVING THE REGIONS THAT NEED US THE MOST



SINGAPORE

Facility management Car park management Residential Waste Management

USA

Marpol waste Facility (Houston & Corpus Christi, Texas)

TANZANIA

Medical waste project (DAR)

REGION-WISE PROJECTS

India: 54, Singapore: 60+, Profit Centers Middle East: 11



THANK YOU

Bobby Kurien Subhu Pramanik

RE SUSTAINABILITY LIMITED
RAMKY ENVIRO ENGINEERS BANGLADESH LTD