

Organic Stability for Wisconsin Landfills

Jo Spear, Jr., PE



JO SPEAR, JR., P.E.

JO@JSACIVIL.COM

325 WEST VINE STREET / MILWAUKEE, WI 53212-3606

TELEPHONE (414) 263-2122 / CELLULAR (414) 687-0467

Organic Stability Definition

- Gas production effectively ceases
- LF leachate levels have no significant organic component
- Organic fraction of waste mass will not readily decompose when placed in ideal moisture & temperature conditions
- No measurable settlement of landfill surface

Origin of Landfill Organic Stability Rule

- Increasing recognition of long-term implications of conventional landfills
- Program objective to minimize impacts of landfills
- Consistent with developments elsewhere
- Concern in industry about growing long-term liability of closed landfills
- Increased urgency as landfills get larger

Organic Stability Plan Requirement

- Take actions to reduce the time it takes a landfill to reach organic stability
- *Goal* is to reach organic stability within 40 years after LF closure
- Does not specify a time by which organic stability must be reached
- Reduce health, environmental and economic risks of our landfills to future generations

Toolbox

– Imagineering

- Diversion

- Upstream Waste Reduction
- Energy Recovery

- Preprocessing

- Biological
- Mechanical
- Thermal

- In-Situ Reaction

- Bioreactor
- Leachate Recirculation

Status of 31 Active Landfills in Wisconsin

<i>2008 Status</i>	Leachate Recirc. Plan	RD&D Plan for Outside Liquids	Landfill Organic Stability Plan	Active Gas Collection	LF Gas To Energy System
Number of Participating MSW Landfills	19	7	12	24	17
Percent of Total MSW Landfills	61%	23%	39%	77%	55%
Percent Weighted by Annual Tons Received	90%	48%	57%	98%	79%



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