

**In This Issue: In-Line Booster Pumps | Conference Schedule**

## Unique Solutions

**EPG In-Line Booster Pumps** can play a crucial role in leachate management systems for landfills. Let's take a brief look at how they can be used.

### Overcoming Distance and Elevation

Leachate collection systems rely on gravity to move leachate from the landfill floor to a collection point.

This collection point, typically a vertical sump or side slop riser, is occupied by a leachate removal pump sized to move the leachate a specified elevation and distance.

However, landfills can grow horizontally and vertically over time. The increased distance and elevation can create situations where the original pump alone isn't enough to move the leachate efficiently.

Booster pumps are installed along the leachate force main (the pipe that carries the leachate).

They add hydraulic energy to the flow, essentially giving it a push to overcome the friction and elevation changes in the pipe.

This ensures leachate keeps moving towards the treatment facility or holding tank.



*Overall, in-line booster pumps are a vital component in maintaining a well-functioning leachate management system for landfills.*

### Applications

Here are some common scenarios where booster pumps are used in leachate management.

**Landfill Expansion:** As a landfill expands, the distance the leachate needs to travel increases. Booster pumps can be strategically placed to compensate for this added distance.

**Hilly Terrain:** Landfills built on uneven terrain may require booster pumps to overcome elevation changes and ensure proper leachate flow.

**Long Pipelines:** Even on flat land, extensive leachate collection systems with long pipelines can benefit from booster pumps to maintain flow velocity and prevent blockages.



### Benefits of Booster Pumps

**Efficient Leachate Transfer:** By ensuring consistent flow, booster pumps prevent leachate from stagnating in the pipes, which can lead to problems like pipe clogging and odor generation.

**System Flexibility:** Booster pumps can be added to existing leachate collection systems as needed, providing adaptability to changing landfill conditions.

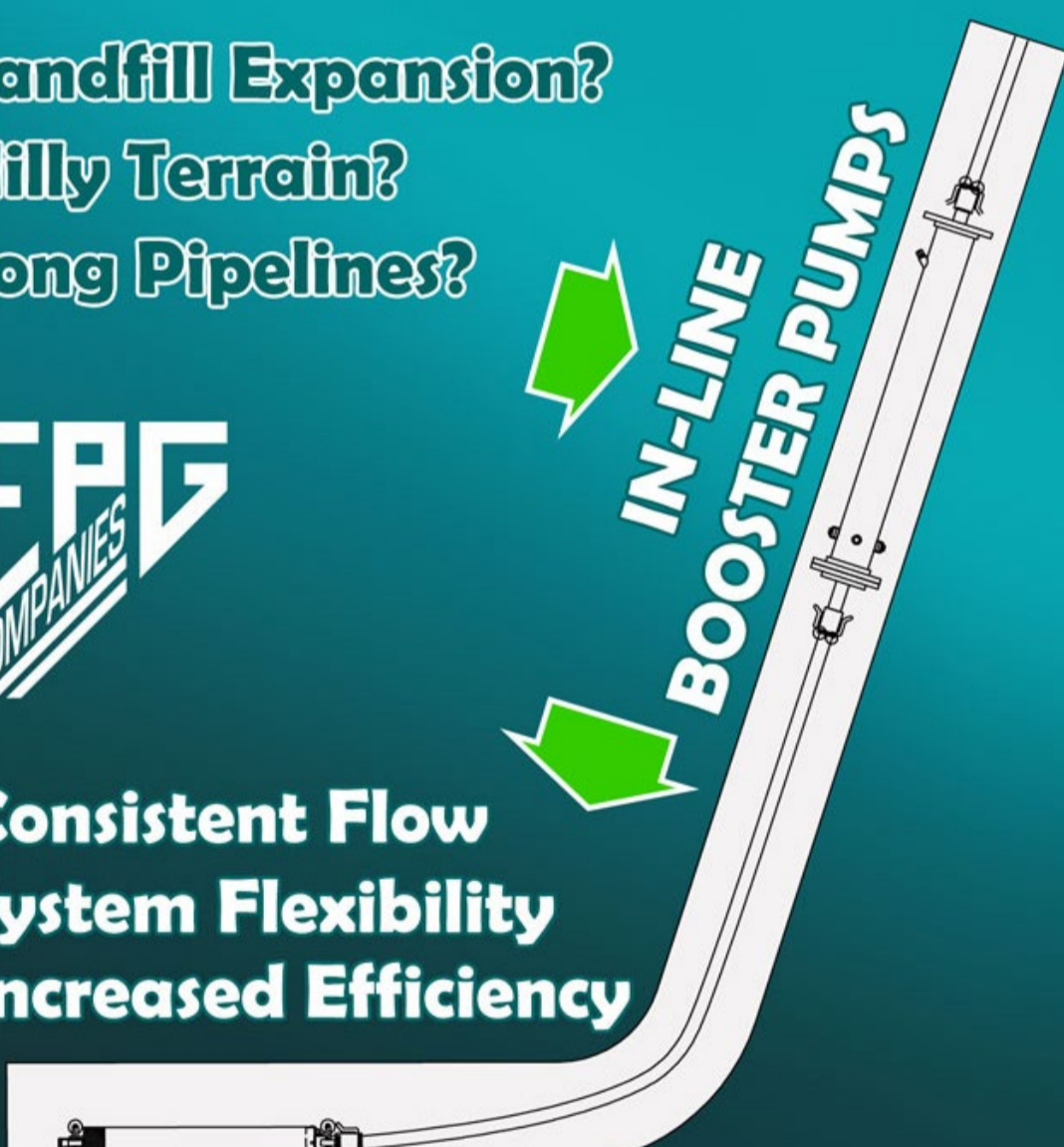
**Improved Treatment Efficiency:** Consistent leachate flow contributes to better performance at leachate treatment facilities.

**Landfill Expansion?**  
**Hilly Terrain?**  
**Long Pipelines?**



**IN-LINE  
BOOSTER PUMPS**

**Consistent Flow**  
**System Flexibility**  
**Increased Efficiency**



Call Us at **1-800-443-7426** for more information  
or email [info@epgco.com](mailto:info@epgco.com)

## Industry Events

*List includes events in which both EPG and our Sales Reps are participating in and is subject to change.*

**July 21-23 Missouri Waste Control Coalition**  
Lake of the Ozarks, MO (The Reich Co. Exhibiting)

**Aug 19-22 Wyoming SWANA & Recycling Conf.**  
Casper, WY (The Reich Co. Exhibiting)

**Sep 23-25 Colorado SWANA Conference**  
Breckenridge, CO (The Reich Co Exhibiting)

**Oct 1-3 Kansas SWANA Conference**  
Mulvane, KS (The Reich Co. Exhibiting)

**Oct 27 Arizona SWANA Vendor Showcase**  
Location TBD (The Reich Co Exhibiting)

**Nov 6-8 Nebraska SWANA Joint Conference**  
Kearney, NE (The Reich Co Exhibiting)

**(TBD) Kentucky SWANA Bluegrass Chapter Meeting**  
(TBD, KY (The Reich Co Exhibiting)

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