

## REAL INNOVATION TO ELIMINATE LEACHATE SCALE IN COLLECTION LINES & ON PUMPS

### THE PROBLEM

The MSW landfill had been experiencing increased precipitation of leachate scale throughout areas of the collection system and sump pumps. Formation of scaling is becoming more rapid and has reached problematic stage. Jetting is a constant battle to keep leachate flow with chemical de-scalers being a pricey option. It was a Tuesday that I saw an article on LinkedIn about a “breakthrough technology for leachate scale control”. The system used a charge to treatment pads on the outside of pipes and pumps and was guaranteed to not only inhibit but also remove leachate scaling. “Highly skeptical” is a word that would best describe my thoughts on a product like this. I would have heard of it by now...



### DUE DILLIGENCE

Reaching out to the company about this “proven” FlowScience Leachate Scale Control System; a representative was in touch with me that very day. It was then I heard that this technology had in fact been used on landfills all over the country and a number within my own organization. Every reference checked out. How did I not hear about it? Upon further investigation the offer was a fraction of my annual jetting bill for a permanent solution and came with a guarantee. I decided to test it out. I was jetting again later if it didn’t work.



Scaled Pipe



Control Hub attached to 6” Pump

### THE RESULTS

Attaching to 2 pumps that had to be cleaned almost weekly and 2 scaled lines that were in need of cleaning more frequently; we saw results in the first week. Wells and sumps were gathering a slurry and chunks of scale (much like after jetting) and the pumps look like new after many weeks of operation in the sumps. The LSC systems worked. My goal as an operator that knows the challenges of operating and MSW today is to let others know that FlowScience is completely legit and the overall benefits are tremendous. We’re greener and we’re saving costs. That’s not a common thing to have in a product.

## WHAT IS THE OPTIMAL SOLUTION FOR LEACHATE SCALE TREATMENT?

#### DE-SCALERS

- After effects
- Ongoing Cost
- Maintenance ^
- Corrosive
- Not GREEN

#### HYDRO-JETTING

- Limitations
- Ongoing Cost
- Maintenance ^
- Can Break Pipes
- Not GREEN

#### FLOWSCIENCE

- Few Limitations
- 1-Time Cost | 1yr < ROI
- Zero Maintenance
- Permanent
- GREEN Technology