



FIELD NOTE

Loci Controls increases LFG and CH₄ Flow at Landfill by 39%; allows for installation of single engine LFG-electricity power operation

Customer Problem:

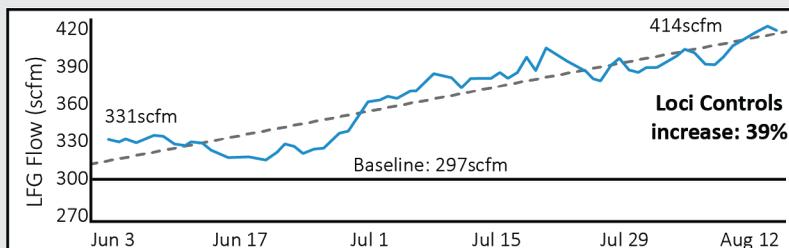
A municipal landfill in the northeast has had steady LFG flow of just under 300 scfm with 50 landfill collection wells, but like many smaller municipal sites, it is not a sufficient flow volume to warrant the investment in a power facility. As a result, the facility has flared all the gas produced without capturing any financial benefit.

Loci Solution:

Based upon Loci's proven history of increasing gas collection, the customer engaged Loci to provide automated landfill gas collection, supported by Loci's remote landfill gas analytics and onsite field service support. Using a 60/40 mix of Loci Controllers (continuous monitoring, and control algorithm based automatic valve adjustments) and Loci Sentry (monitoring only), all 50 collection

Results

By implementing an automated gas-collection process with technical oversight from Loci's WellWatcher Analytics Center, Loci has been able to increase LFG by over 35% to a sustained level of over 400 scfm, yielding a 17% increase in revenue. This increase in gas collection, which is well above the target objective, has justified transitioning the site to a power-generation facility, and a producer of either electricity or high BTU content.



Relative to baseline, Loci's products and services have increased landfill gas flow by 114 scfm, or 39%.

All Loci-optimized installations are supported by both LFG analysts, who remotely review data and alerts, and on-the-ground field technicians, who perform routine calibration, maintenance, and customer support.

WHY LOCI?

With financial, operational, and environmental benefits, Loci Controls' product / service suite helps streamline and optimize facility management and gas collection for power-plant operators and landfill owners alike.



INCREASE REVENUE

- Maximize methane gas flow
- Optimize gas composition
- Automate real-time wellhead adjustment and data collection
- Boost plant uptime



DECREASE COSTS

- Lower labor costs for wellfield tuning and O&M
- Reduce equipment maintenance costs



REDUCE RISKS

- Reduce fugitive LFG emissions
- Prevent significant maintenance issues



(617) 575.2716

sales@locicontrols.com

www.locicontrols.com