



FIELD NOTE

Loci Controls increased profitability at a high-BTU facility by maximizing CH₄ flow while staying below residual gas processing plant thresholds.

Customer Problem:

A South Central United States landfill utilizing landfill gas for high-BTU pipeline injection had precise gas quality requirements that were hard to maintain with manual tuning. When the gas quality did not meet the threshold standards, the facility was forced to bypass the pipeline and flare the gas, resulting in lost revenue.

Loci Solution:

Loci Controllers were installed on all the collection wells in this landfill. Through continuous monitoring using the Loci WellWatcher analytics platform, and use of Loci's control algorithm to make incremental valve adjustments, Loci Controls maximized CH₄ flow while maintaining required gas composition.

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

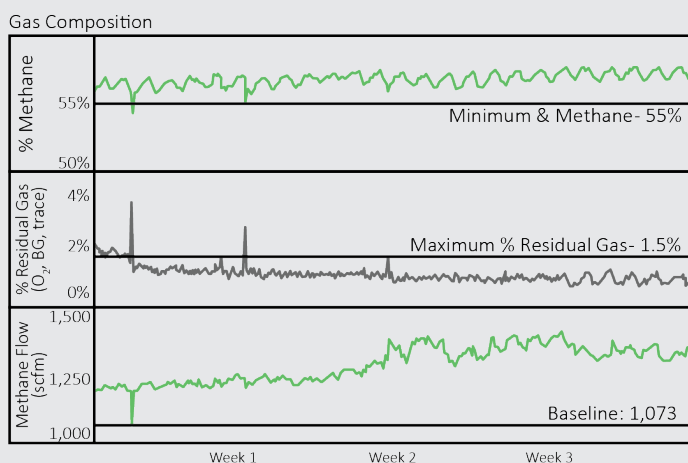


REDUCE RISKS

- Reduce fugitive LFG emissions
- Prevent significant maintenance issues

Results

Loci's automated gas collection, increased revenue, lowered costs, and allowed the operator to maintain strict compliance with the gas-composition thresholds—all while providing uninterrupted pipeline injection.



Graph above illustrates the increase in methane flow and reduction in residual gas before and after Loci's automated gas-collection system installation.

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.



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