

## **Sulfer Removal in Landfill Gas Stream**

### ***The Challenge***

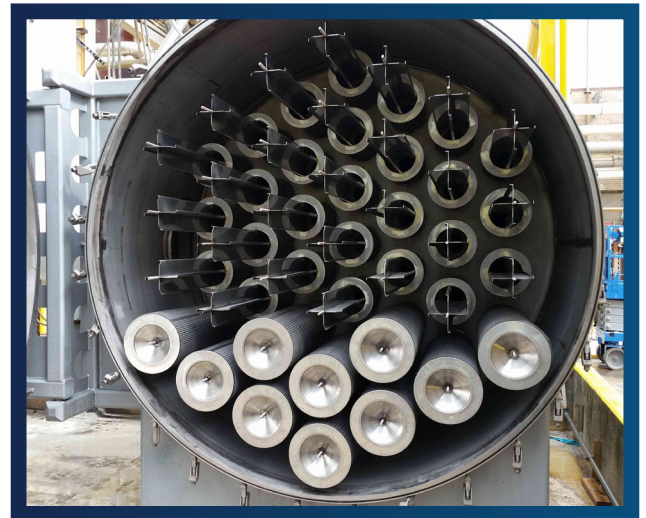
A landfill owner in the Southeastern United States needed to remove elemental sulfur from a large landfill gas stream. Along with capturing the sulfur, the elements would handle a large flow rate while maintaining a low differential pressure. The removal of the sulfur would help to protect a newly installed chiller. The gas would then be fed to a turbine to generate electrical power.

### ***The Solution***

Solberg partnered with the landfill owner and operator along with the vessel manufacture selected. Solberg's engineering team reviewed the landfill gas process data and designed a specialty element to satisfy the requirements. Element construction consisted of stainless steel metallic components and a process gas specific adhesive. The specific media was designed to maintain a low differential pressure and precise pleat spacing for element integrity.

### ***Results***

The Solberg-supplied solution accomplished the task of capturing the elemental sulfur while maintaining a low differential pressure. The desired element life was also accomplished.



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