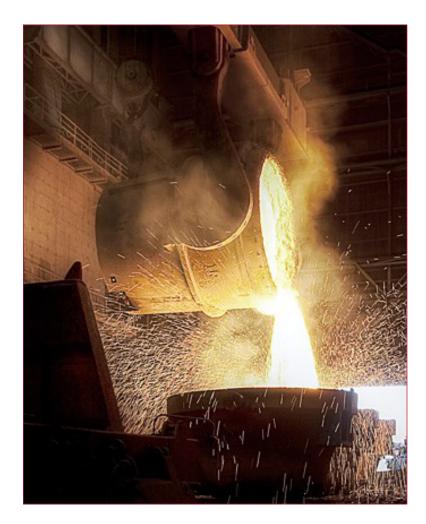
# CLEANFŸRE

#### A GAS CLEANING SOLUTION FOR ALL RENEWABLE NATURAL GAS APPLICATIONS



Developed by CHAR Technologies, **SulfaCHAR™** is a costeffective, convenient, zero-waste targeted gas cleaning solution for hydrogen sulfide in the renewable natural gas industry. **SulfaCHAR™** efficiently filters hydrogen sulfide out, drastically reducing maintenance costs.

## **COST-EFFECTIVE**

- The most cost-effective H<sub>2</sub>S removal product based on cost per kilogram of H<sub>2</sub>S removed
- A simple system requiring little capital infrastructure and low operator attendance at any scale

#### **CONVENIENT**

- Higher capacity than similar systems, **SulfaCHAR™** lasts longer and requires fewer change-outs
- Non-toxic and does not solidify into large pieces, making it easier to change out
- Minimal monitoring required

### **ZERO-WASTE**

- Made from organic material, such as anaerobic digestate
- Converting hydrogen sulfide to elemental sulfur and sulfates, spent SulfaCHAR<sup>™</sup> material is a sulfur rich biochar

**♦** Passive FRP SulfaCHAR<sup>™</sup> Vessel

# **TARGETED GAS CLEANING SOLUTIONS**

Simple and easy to operate, these passive systems direct untreated gas through a vessel containing **SulfaCHAR™** media that adsorbs H<sub>2</sub>S onto its surface as clean gas exits the system, ready for use.

## BIOGAS

- An ideal solution for on-farm anaerobic digesters of any scale
- Low capital cost of installation
- Low operational burdens with reduced downtime and maintenance
- No need to store or handle toxic chemicals
- Non-toxic spent material is easily reusable as a soil amendment
- 30% by weight sulfide removal capacity prevents engine corrosion from hydrogen sulfide

LANDFILL GAS

- Reduced siloxanes in LFG avoid the formation of abrasive microcrystalline silica in engines
- The SulfaCHAR™ system is easy to implement and has a small environmental footprint
- It is non-toxic with simple change-out and end-of-life processes

#### **CHARTech Solutions Inc.**

12 Banigan Drive, Toronto, Ontario, Canada M4H 1E9 416.467.5555 • 1.800.323.4937 • info@CHARtechnologies.com CHARtechnologies.com