INTERRA GLOBAL

FerroSorp Case Studies

CASE # 3

Project Overview:

Landfill with unreliable biological H_2S removal system needed a quick and easy solution

Site Conditions

Gas Flow Rate	**700 SCFM**
H_2S Concentration	**6,000 PPM**
Relative Humidity	**100% Saturated**
Oxygen Concentration	**.5% to .9%**

Vessels field-installed with 35,200 lbs of FerroSorp

Solution

Two Interra Global mobile vacuum H_2S adsorption vessels were field-installed

Results

Total run time vessel # 1 – 24 days

H_2S removed – 10,560 pounds

60% removal rate by weight

Vessel FerroSorp changeout time – 3 to 4 hours

Conclusion:

- Fast deployment and ease of use of treatment vessels
- Customer satisfied with FerroSorp H_2S removal performance
- Vessel design made it easy to perform media changeouts
- Mobility of vessels – did not need foundation pads

CASE # 4

Project Overview:

Landfill was not satisfied with iron sponge performance and high pressure drop

Site Conditions

Gas Flow Rate	**3,000 SCFM**
H_2S Concentration	**500 PPM**
Relative Humidity	**100% Saturated**
Oxygen Concentration	**1%**

Six vessel H_2S removal iron sponge system

126 FerroSorp sacks staged for installation

Solution

Replace iron oxide type media and deploy a total of 277,200 pounds of FerroSorp iron hydroxide media

Results

Pressure drop was improved dramatically

FerroSorp remains online - zero ppm outlet concentration

Expected run time of 2+ years

Water spray system turned off

Conclusion:

- Fast deployment of 6 truckloads of FerroSorp media
- No longer need to maintain water spraying system
- No longer need to add soda ash to water spraying
- Lighter vacuum pump load due to low pressure drop
- Customer satisfied with FerroSorp performance

For more information please contact
847-292-8600 sales@**interraglobal**.com **www.interraglobal.com**