

# Airborne Hazards

Hydrogen Sulfide (H<sub>2</sub>S)



Toxic



Flammable



Irritant

Methane (CH<sub>4</sub>)



Flammable



Asphyxiant

Ammonia (NH<sub>3</sub>)



Toxic



Irritant

Carbon Monoxide (CO)



Toxic



Health Hazard:  
Respiratory



Asphyxiant

Carbon Dioxide (CO<sub>2</sub>)



Asphyxiant

Dusts



Health Hazard:  
Respiratory

Endotoxin



Health Hazard:  
Respiratory



# **DANGER**

**DEADLY MANURE GASES POSSIBLE  
DEATH  
MAY BE IMMEDIATE!**



**ENTER PIT ONLY WITH**

- **SELF-CONTAINED AIR SUPPLY**
- **VENTILATION**
- **RESCUE HARNESS, MECHANICAL LIFT, STAND-BY PERSON**





## Single Gas Monitor

- Measures only one gas
- Manufacturers:



## Multiple Gas Monitor

- Measures four gasses
- Manufacturers:



# Gas Monitor Use

## Operation: Testing Order and Key Decisions

