

Trecho 02

air **monitoring** instruments are also used **at our** projects as another means of protecting our workers

while it is not common there is the potential for Airborne chemicals or similar **hazards** to exist at some of our project sites

depending upon the tasks being performed and **the** specific area

the most common air monitor we use is a 4 gas meter this **instrument measures** four different potential **hazards** in the air

the level of oxygen

the amount of **flammables**

the level of carbon **monoxide**

and the level of **hydrogen sulfide**

once the monitor is calibrated it will **alarm** if any one of these hazards is present at an unacceptable level

and therefore warns you of the hazard before you work in the area

air **monitoring** instruments are very important for your safety when used at our project sites

be sure that you understand completely how the air monitor works and always follow the recommendations made from the monitoring results

it could very well save your life

this is a chart that **describ**es the readings of the for gas meter with **relat**ed action levels and the corrective actions that must be taken when **these levels** are **determined** unsafe

if there are any questions with the readings

[always]

Evacuate the area until your questions **are addressed** and resolved

the following [gas level readings] require that you either Evacuate the area

ventilate the area

or both

again if there are any questions in your mind about the readings always air on the side of caution

that means evacuate

for O₂ or oxygen the Action level is required for a [reading] less than 19.5%

for the amount of gas or vapor in the air capable of producing a flash fire in the presence of an ignition Source better known as LEL a percentage greater than 10% demands protective measures

for CO or carbon monoxide the Action level is required for a percentage greater than 35 parts per million or PPM

and for H₂S or hydrogen sulfide a reading greater than 10 parts per million requires that action be taken

if you are unsure on how to operate or

read the four gas meter be sure to talk with your supervisor