



H2S Awareness - 11/12/25

Because H2S is present in many of the plants we perform work in, H2S monitors such as the BW Monitors Clips are standard PPE at these locations. Brieser is responsible to provide training to employees on these life saving devices.

What is H2S and why do we have to protect ourselves?

- Hydrogen sulfide is a colorless, flammable, extremely hazardous gas with a “rotten egg” smell at low concentrations. At higher concentrations our olfactory receptors become fatigued and the ability to smell the gas is lost.
- It occurs naturally in crude petroleum, natural gas. In addition, hydrogen sulfide is produced by bacterial breakdown of organic materials and human and animal wastes (e.g., sewage).
- H2S exposure is both an irritant and a chemical asphyxiant with effects on both oxygen utilization and the central nervous system. Its health effects can vary depending on the level and duration of exposure. Repeated exposure can result in health effects occurring at levels that were previously tolerated without any effect.
- High concentrations can cause shock, convulsions, inability to breathe, extremely rapid unconsciousness, coma, and death. Effects can occur within a few breaths, and possibly a single breath.
- Entering dangerous H2S atmospheres A level of H2S gas at or above 100 ppm is Immediately Dangerous to Life and Health (IDLH).



BW Honeywell H2S Monitor Operation

- The BW Clip is a single disposable gas detector with a 2-year lifetime. Once activated the BW Clip will show life countdown in months. It will be permanently turned on until its lifetime ends. Once the monitor reads 1 month or less, notify your supervisor so a replacement can be ordered.
- H2S monitors are set to alarm at 10 PPM.
- In the event of an alarm activation immediately leave the area and notify your supervision and the site’s Safety Department. Provide full details such as time, duration, PPM peak and location.
- NEVER attempt a rescue in an area that may contain hydrogen sulfide without using appropriate respiratory protection and without being trained to perform such a rescue.
- The monitor should be bump tested regularly. Check your sites requirements.
- Wear your monitor in front of you, on the outermost article of clothing, and within 9 inches of your mouth / nose. NEVER wear your monitor on your hard hat.



