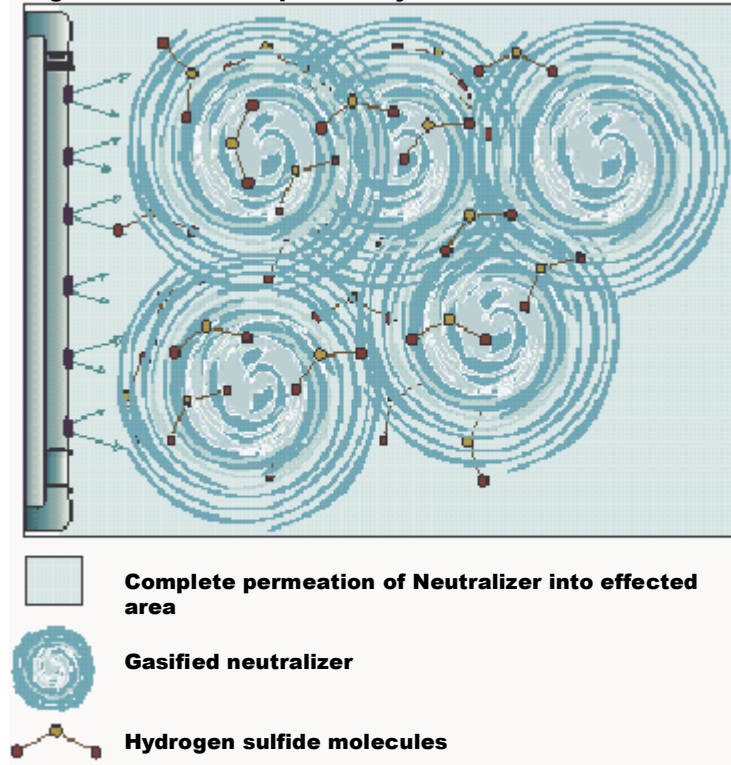


The Technology and Chemistries

Figure 1: How the Vapor Plus System Works



Distribution pipe

Figure 2: High Pressure Misting/Fogging System

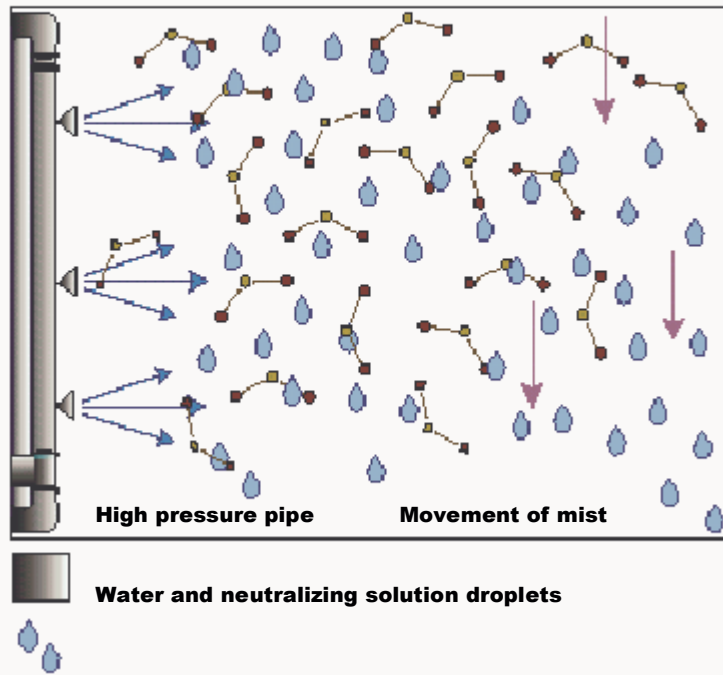


Figure 1: and 2 illustrate the differences between the Vapor Plus Systems and conventional high pressure misting systems.

In Figure 1, the neutralizing product gas interacts with hydrogen sulfide (H_2S) gas molecules in a particle-to-particle interface. This action completely neutralizes the H_2S .

The Vapor Plus System converts the neutralizing agent into a dry gas at ambient temperature, which is then transported via the pvc distribution pipe. Gasified neutralizers do not contain additional water molecules to hinder interaction with particles of noxious gas.

Figure 2 shows an illustration of a high pressure misting system. The larger-sized water molecules reduce "hang-time" in the treatment area. Since the neutralizing agent is bound to water molecules, this considerably reduces interaction with the noxious gas molecules. The addition of excess moisture is also not desirable in most odor/noxious gas control situations.

In Figure 1, gasified neutralizer completely permeates the entire space of treatment area. The surface contact is between the gasified neutralizer and the H_2S is several orders greater than spraying, misting, & fogging systems.

As shown in Figure 2, spraying, misting, & fogging systems rely on "hang-time" provided by a mist or fog from nozzles suspended above the treatment area. This limits contact between the pollutant and the neutralizer, thus reducing effectiveness.