



MEMO

Date: April 28, 2009

To: CSG Associates, Clients, and Partners

**From: Daniel Juzl, Senior Vice President of Technical Affairs,
CSG**

RE: The Effectiveness of CSG Products against Swine Influenza

In light of the current Swine Influenza health emergency I would like to briefly outline the role that CSG's Surface Antimicrobial System (SAS) can play in minimizing the threat posed by the virus.

- The current Swine Influenza is characterized as an envelope virus, composed of strains of Avian Influenza, Human Influenza and Swine Influenza mixed together to form this new strain of Swine Influenza. The last envelope virus that you may be most familiar with is Avian Influenza.
- SurfaceClean®, which is the EPA registered disinfectant used during a SAS application, has proven effective against envelope viruses in the past, including several strains of Avian Influenza, Influenza A, and SARS. Keep in mind, SurfaceClean is approved for use on animal housing facilities and poultry and swine premises.
- It is important to note that no product on the market can make claims that it is effective against this current strain of Swine Influenza. Typically, once the strain is isolated it takes a minimum of 6 months to verify and have the EPA approved claims on the product label.
- Viruses, such as the newest strain of Swine Influenza, typically pass from human-to-human. However, Swine Influenza can be passed by touching a surface and then touching either the mouth or nose.
- SurfaceAide® 1000, the long-lasting antimicrobial product used in the SAS, has the potential to minimize the risk of viruses spreading because its antimicrobial characteristics continually inhibit the growth of host organisms. This is particularly important because host organisms can facilitate the spread of the virus.