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ANALYSIS REQUEST AND SUMMARY

Company: Clean Stream Technologies Pty Ltd 9 Endeavour Road Caringbah, NSW 2229 AUSTRALIA	Contact(s): Scott Whittaker Ian Gribble	Date: 2016-09-30
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Test Subject: VapourKlenz Prototype Face Mask and Layer Components FA-60399 CODE: FA-60399		Test Agent: Hydrogen Sulfide Gas at multiple ppm levels
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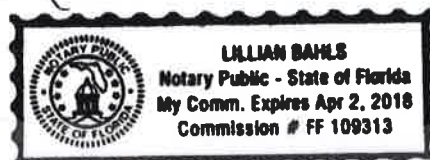
Timilon was asked to test the following subject(s) and agent in a customized protocol. Since standardized methods do not exist for this style of face mask, a test method was designed to evaluate the masks ability to reduce exposure to varying concentrations of the test agent (hydrogen sulfide) and maintain a level below the STEL of 10 ppm for the agent.

Using an environmental chamber, the study was designed to simulate breathing through a mask by having negative pressure draw the contaminated chamber air through the mask media into a smaller chamber with a monitor and then recirculated back out into the main air chamber. The level of hydrogen sulfide was monitored on both sides of the mask. The detector outside the mask was to ensure the concentration remained near the target ppm test level, and the detector inside the mask was to determine the exposure level coming through.

The subject was evaluated at 15 ppm, 30 ppm, 40 ppm, and 100 ppm. The time to reach 10 ppm is reported in the table below.

Chamber concentration	15 ppm	30 ppm	40 ppm	100 ppm
Duration below STEL 10 ppm	7 hours	3.5 hours	15 minutes	3 minutes

Lillian Bahls



Kyle Knappenberger

Kyle Knappenberger
 Timilon
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