

## FOR IMMEDIATE RELEASE

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### **MASHH -- MOBILE AIR SHOWER BY HELENHARDY -- WINS 2013 NEW TECHNOLOGY DEVELOPMENT OF THE YEAR AT NORTHEAST OIL & GAS AWARDS**

BELLWOOD, PA, March 21, 2014 — The MASHH Mobile Air Shower by HalenHardy, a downdraft booth that removes dangerous industrial dusts from workers' clothing in less than 30 seconds, won the 2013 New Technology Development of the Year at the Northeast Oil & Gas Awards Thursday in Pittsburgh.

The MASHH downdraft booth is particularly valuable to workers in hydraulic fracturing operations because of their exposure to respirable crystalline silica. It is also effective in removing other dangerous dusts from clothing which becomes contaminated during other industrial activities, including mining, sandblasting, or virtually any type of construction.

Respirable crystalline silica is invisible to the naked eye, and when inhaled, can cause serious illnesses, depending upon the level of concentration that a worker is exposed to and the duration of that exposure.

HalenHardy Chief Scientist, Bob Glenn notes, "When dust-covered workers go on break, we've observed that they almost always do two things. First, they remove their respirator. Next, they slap the dust from their shoulders, chests and arms. This is a very hazardous practice that increases their personal exposure."

This practice is hazardous because respirable crystalline silica on the workers' clothing becomes resuspended, right in the workers' breathing zone, where it can be inhaled. Studies performed by The National Institute for Occupational Safety and Health (NIOSH) reveal that worker exposures can increase significantly through this seemingly-innocent "hygiene" practice, raising exposure levels by 1,000% to 1,600%.\*

Currently, there are two generally accepted methods for cleaning contaminated worker clothing: manual vacuuming and downdraft booths (using compressed air nozzles for manual blow-off is a hazardous and prohibited practice).

Manual vacuuming is time consuming and not very effective, generally taking more than five minutes to clean the clothing of just one worker. By comparison, the MASHH downdraft booth cleans a worker's clothing in less than 30 seconds while removing 50% more dust than manual vacuuming – protecting workers and saving companies time and money.

The MASHH unit is designed for highly mobile industries (but can also be used in stationary working environments). Units can be installed quickly and easily. Because it is simple to operate and works fast, workers should have no hesitancy in using the MASHH downdraft booth when they go on breaks, to lunch, or at the end of the day.



The MASHH Mobile Air Shower removes dangerous dusts from worker clothing in less than 30 seconds.

"We were very appreciative and honored to be nominated by industry veteran Tom Lopus. The selection of the MASHH unit by a panel of oil and gas industry experts, reflects our commitment to being a trusted health and safety partner for multiple industries," said Donny Beaver, HalenHardy CEO and Co-founder.

Currently the MASHH units are strategically located in Bellwood and Pittsburgh to serve the Marcellus and Utica Shale plays and in Houston to serve Texas and Louisiana.

The HalenHardy corporate office and manufacturing facility is proudly based on Main Street in Bellwood, PA, equidistant from the Marcellus Shale's two most active areas, Canonsburg and Towanda.

\* Cecala A. B., O'Brien A. D., Pollock D. E., Zimmer J. A., Howell J. E., & McWilliams L. J. (2007). Reducing respirable dust exposure of workers using an improved clothes cleaning process. INT J OF MIN RES ENG, 12(2) 7-94. (Atilim University Press).

Visit <http://www.mashh.com> to view the MASHH unit in action and contact Alex Moore for more information at [amoore@halenhardy.com](mailto:amoore@halenhardy.com) or call 800.508.9890.