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New Data Verifies the Safety of Using Wonder Makers Tools for Collection of Asbestos Bulk Samples

A negative exposure assessment (NEA) was recently completed in regards to individuals collecting asbestos samples and the risk of possible exposure. The study confirmed that when samples are taken during a building inspection, they can control that danger by using the right equipment - the asbestos bulk sampling tools from Wonder Makers Environmental. Employing a single use coring tool which slips into an airtight plastic container with the sample completely surrounded by the detachable "cutter" virtually eliminates exposures to hazardous material. This scientific study builds on decades of actual field experience to support the claim that the tools greatly improve the safety of inspectors who use them according to the instructions. Just as importantly, the asbestos bulk sampler allows for full depth sampling of even dense materials such as pipe insulation, asphalt roofing, and drywall.

Thirty years ago, Wonder Makers revolutionized the collection of samples from suspect asbestos-containing materials. In 1988, the asbestos abatement industry was starting the phase of explosive growth related to the EPA regulations which required inspections of schools. As part of the process, newly certified inspectors were being taught to collect samples of suspect asbestos-containing materials with knives. This process resulted in so much disturbance of the material due to the strong possibility of exposure to airborne asbestos fibers above the permissible exposure limit. Therefore, the inspectors were trained to wear a complete set of personal protective equipment while conducting the sampling.

With the introduction of the Wonder Makers asbestos bulk sampling system, not only was the efficiency of the sample collection improved greatly, but the risk of adverse fiber exposure for the inspector was virtually eliminated. This improvement was demonstrated at the time through a series of controlled experiments by comparing the fiber levels generated during the sampling using knives versus the detachable coring system invented at Wonder Makers.

In connection with the celebration of three decades of service to the asbestos abatement industry, Wonder Makers conducted additional tests which again verified that by using their sampling equipment, the results showed the exposure levels well below the OSHA regulatory limits. The testing was conducted under "worst-case" conditions. Numerous samples of insulation that had a high percentage of friable asbestos were collected in a small room with no engineering controls or natural ventilation to dilute any airborne fiber levels produced during the trial. A multitude of area and personal samples were collected during the process with analysis conducted by both phase contrast microscopy (PCM) and transmission electron microscopy (TEM).

The NEA was conducted by Wonder Makers in conjunction with EMSL laboratories. A complete report, with photos, data tables, and description of the sampling process is available from Wonder Makers website at: <http://bit.ly/2rKww02>

Additional information is available regarding the entire asbestos bulk sampling system as well as the NEA by contacting Wonder Makers at (269) 382-4154.

Asbestos Bulk Sampler



Cutter Sleeve, Handle, Collection Vial



Cutter Sleeve, Power Driver

