

MICRO GRANT AWARD
Emerging Economy Project Fund program
Evaluation of Airborne Silica Dust Using Video Exposure Monitoring

Project:

The AIHA Board of Directors has approved WHWBUS micro-grant application under the Emerging Economy Project Fund program, in the amount of \$4,000 for the “**Evaluation of Airborne Silica Dust Using Video Exposure Monitoring (VEM) to Pinpoint High Exposure Processes**”. This is a joint project between the **Workplace Health Without Borders-US Branch** (WHWB-US) and the National Institute of Occupational and Environmental Health (NIOEH), Vietnam.

Purpose:

To conduct an air monitoring field study using the Video Exposure Monitoring system. WHWB-US will partner with The National Institute of Occupational and Environmental Health (NIOEH) in Vietnam to carry out this research study. NIOEH is under management of the Ministry of Health (MOH) and is a leading institution in Occupational Health, Sanitation and Environmental Health, School Hygiene and Health. Video Exposure Monitoring (VEM) integrated in this real time air sampling will record and visually display exposure levels of airborne contaminants over the full spectrum of workers’ activities during their work shift along with a video showing what the workers are doing. The results of this project will provide vital scientific and practical evidence on the efficacy and cost-effectiveness of VEM technology in improving working conditions and safe work practices.

Who is involved:

Tuan Nguyen, Mary O’Reilly, Jon Haney, Albert Tien from WHWB_US, Hai Ngoc Doan and Le Thai Ha of NIOEH.

Status:

WHWB-US branch has signed the non-disclosure agreement and is working with the inventor of the VEM Smart Systems™, LLC., a non-profit company to provide a “how to kit” for assembling of low-cost real-time airborne contaminant sensors integrated with video components. As soon as we can complete the test run of the fully assembled system, we will work with NIOEH to figure out the best way to build other systems in Vietnam.