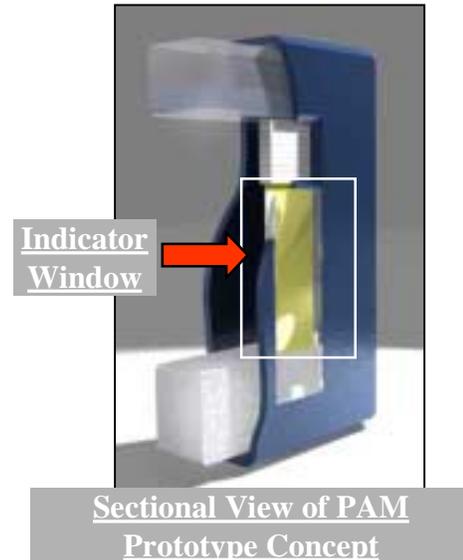


Personal Alarm Monitor

Project Description:

The National Institute of Justice (NIJ), in collaboration with the Technical Support Working Group (TSWG), is sponsoring TIAX/ADL of Cambridge, MA, to develop a low-cost, wearable, device that provides timely warning of exposure to a wide variety of chemical and biological hazards. This device relies on a chemical reaction to provide real-time warning of exposure to toxic chemicals and a passive sampler for timely bio-agent detection. The initial focus is on identification of exposure to nerve agents and anthrax.



Status:

ADL/TIAX demonstrated the feasibility of its approach to detection of nerve agents in a laboratory environment. It is now in the process of developing a prototype design that will alert the wearer to exposure through an audible or vibratory stimulus. An as yet to be determined number of prototypes will be provided to the the US Army Soldier and Chemical Biological Command (SBCCOM) for technical assessment. Others will be provided to selected responder agencies for evaluation under operational conditions. These prototypes are expected to be available in FY03. Work on the anthrax sampler began in FY02.

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