

**Statement of Qualifications – Training Development & EHS Communication**  
**Thomas C. Ouimet MPH MBA CIH CSP**  
**Occupational and Environmental Health & Safety Solutions (OEHS<sup>2</sup>)**

Founded in 1998, Occupational and Environmental Health & Safety Solutions (OEHS<sup>2</sup>) is an environmental, health and safety consulting and training company specializing in producing occupational health and safety multimedia training materials and integrating digital video technology with exposure assessments and workplace health and safety surveys. OEHS<sup>2</sup> mission is to provide clients with a cost effective way to develop high quality customized training materials and to document and archive EH&S information using digital videography and multimedia technology. The founder and principal of OEHS<sup>2</sup> is Tom Ouimet.

### **Training**

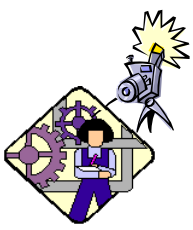
Using its expertise in occupational health and safety, instructional design, computer and web based training, videography, and DVD production, OEHS<sup>2</sup> works with a diverse set of clients including Fortune 500 firms, large academic institutions, hospitals, research centers, insurance companies, professional associations, construction companies and government agencies to identify training gaps, develop strategies for introducing advanced training technologies into their health and safety training programs and develop multimedia training products. Representative work assignments include:

- Evaluating health and safety training requirements and devising blended learning approaches that leverage the use of advanced instructional media.
- Serving as the instructional designer, subject matter expert and program developer for web-based training programs.
- Creating web sites on safety topics that blend training, performance assistance tools and information resources.
- Writing and producing safety training videos on occupational health and safety topics including laboratory safety, autobody repair, ergonomics, biosafety and new hire safety topics for distribution by the Internet (streaming video) and interactive DVD.
- Developing and presenting customized classroom training, incorporating multimedia, demonstrations and exercises on occupational health and safety topics to hundreds of participants at client facilities nationwide.

### **Communicating and Archiving Exposure Assessments and Workplace Studies**

Using the visually rich communication media of digital videography, OEHS<sup>2</sup> develops short, interactive video productions that effectively capture, communicate, and archive, a wide variety of environmental, industrial hygiene, and safety information that has traditionally been collected and communicated in a written format. The use of video overcomes the shortcomings of the traditional written format that is easily misinterpreted, loses much of the original content over time, and is an inefficient communication tool. High quality digital videography's images visually communicate exactly what was done and how it was done. This material is often incorporated into training material. Representative work assignments include producing short video productions that visually communicate and archive:

- workplace exposure assessments
- standard operating procedures for high risk tasks
- exposure simulations.



Digital videography is also coupled with real time exposure monitoring instrumentation to produce a visual representation of worker exposure that can identify what worker actions and movements result in exposure. This technique has been a very effective tool for:

- developing effective engineering controls for hand tools and other process equipment; and
- understanding sources of exposure to substances with very low exposure limits.

### **OEHS<sup>2</sup> Facilities**

OEHS<sup>2</sup> maintains an editing suite at 50 Pond Mill Road, Plantsville, CT (consisting of 200 square feet of space) with the following in-house creative production facilities:

- A JVC GY-DV500 digital camcorder shooting standard definition video and a Sony PMW-EX1 high definition camera along with associated tripods, direct to disk hard drives, field microphones and lighting equipment
- A dedicated audio/video editing suite with the following capabilities (running Adobe Creative Suite CS3 software)
  - Video editing (both standard definition and high definition) with Adobe Premiere CS3
  - Special effects editing with Adobe After Effects CS3
  - Audio editing with Adobe Audition 1.5
  - Image editing with Adobe Photoshop CS3
  - DVD authoring and publishing with Adobe Encore CS3
- A portable audio recording booth (for capturing narration) equipped with a Marantz PMD670 audio recorder and AKG C-3000B microphone
- A laptop with Adobe Creative Suite CS3 software for field acquisition and editing of standard definition video and use as a field monitor (with Adobe OnLocation CS3 software)
- A computer workstation for web development, image editing and creating flash animations

### **Relevant Professional Presentations & Publications**

November 2010, ASSE NEA, Sturbridge, MA “Creating Web-based Multimedia Training – For Subject Matter Experts”.

October 2010, AIHA-CRV, Hartford, CT “Thinking Differently About EHS Training”

May 2009, NIEHS - WETP, Cincinnati, OH “Enhancing Training With Video Based Learning Objects”.

October 2007, PCIH, Louisville, KY “How to Produce Media-Based Training Programs”.

May 2006, AIHCE, Chicago, IL “Tips for Creating Media-Rich Training Materials and Supporting Training with Online Resource Materials”

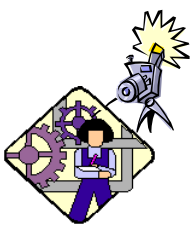
Ouimet TC. Creating Media-Rich Communication and Training Materials. *Synergist - American Industrial Hygiene Association*. 16(9):25-9, 2005 Sept.

May 2004, AIHCE, Atlanta, GA “E-learning Tools for Subject Matter Experts”.

Ouimet TC. Applying the Tools of Digital Videography to EH&S. *Synergist - American Industrial Hygiene Association*. 14(9):27-9, 2003 Sept.

October 2002, NIOSH et al - Best Practices in Education, Training and Communication, Baltimore, MD “Producing Your Own Video Training Material Using Digital Camcorders and Non-linear Editing Systems”.

May 2001, AIHCE, New Orleans, LA “The Communication of Industrial Hygiene Data Visually with Digital Video”.



May 2001, EPA Best Practices in Environmental Management, New Haven, CT "Examples of How Advanced Training Technologies Can be Used to Deliver Effective Training

May 2000, AIHCE, Orlando, FL. "Emerging Issues in Communication and Training Methods-Computer Based Training".

June 1999, AIHCE, Toronto, CA. "Developing and Implementing Computer Based Training".

### **Relevant Honors & Professional Achievements**

2002 Outstanding Means of Communication Award – American Biological Safety Association for video: "Working Safely in a BL3 Laboratory: Guidance for Service and Maintenance Employees."

2001 Outstanding Means of Communication Award – American Biological Safety Association for video: "Working Safely and Effectively in a Biosafety Cabinet."

Active member of the American Industrial Hygiene Association Communication and Training Methods Committee - 1999 to present, Chair– 2004

Elected Councilor, Academy of Industrial Hygiene, September 2005 (Term 2005-2008)

Member Joint Industrial Hygiene Ethics Education Committee – 2005 to 2010

Certified by ABIH as an Industrial Hygienist in Comprehensive Practice (#3465), 1986

Certified by BCSP as a Certified Safety Professional (#13617), 1995

### **Facts about Tom**

Tom has a Bachelors degree in Chemistry and two Master's degrees – one in Industrial Hygiene from the University of Michigan and the other in Business Administration from the University of Connecticut. Tom is a Certified Industrial Hygienist and Certified Safety Professional. He worked for six years at two Fortune 500 Companies (The Standard Oil Company of Ohio (SOHIO) and Olin Corporation) as a Corporate Industrial Hygienist after completing his graduate education. Since 1988, he has been employed by Yale University where he has held a variety of management positions including, Manager of Chemical and Physical Safety, Project Manager, OEHS, and Associate Director, Occupational Health and Safety. Tom founded OEHS<sup>2</sup> in 1998. For the past fifteen years he has been primarily involved in the development and implementation of advanced training technologies in occupational health and safety training. Tom has a passion for videography and has produced a wide variety of customized training videos and uses videography to document his EH&S work. He is also actively exploring the use of the internet to train and communicate occupational health and safety topics to workers using blended learning approaches and web sites that contain tools and resources in addition to training programs. He is an active member of the American Industrial Hygiene Association's Training and Communication Methods Committee.