

HIGH TECH ENTERPRISES

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CURRICULUM VITAE

Edward W. "Ted" Finucane
6892 Atlanta Circle
Stockton, CA 95219-3202

Education:

- BS Chemical Engineering; Stanford University; Stanford, CA; June 1959
- Nuclear Engineering; Stanford University, Stanford, CA; MS degree not awarded (failed to complete a 3 unit course in Advanced Thermodynamics) — two years of graduate study completed between Sept. 1961 and June 1963
- MBA General Management; Golden Gate University; San Francisco, CA; June 1967

Employment:

- High Technology Enterprises** Stockton, CA July 1980 to Date
Professional Consulting and Expert Witnessing in the environmental and/or the occupational safety & health areas, with specializations as follows:
1. Identification and quantification of toxic and/or hazardous materials in the surface or sub-surface soil, the water table; or the atmosphere. Development of corrective plans, methods, and procedures to: (1) mitigate the identified problem, and (2) protect the individuals who will be involved in the remediation efforts.
 2. Consultations in the area of workplace safety, and/or industrial hygiene, dealing principally with factors that could impact employee health [i.e., hearing loss, contact dermatitis, vapor or suspended particulate or fiber intoxication, etc.] or productivity [i.e., sick building syndrome problems, etc.]. Conduct detailed assessments aimed at identifying the source and quantifying the magnitude of any of these types of workplace problems and/or stressors. Develop and oversee the implementation of: (1) remediation/problem mitigation programs, and/or (2) regulatory compliance plans with the goal of achieving and maintaining a workplace in full compliance with Federal or State OSHA statutes. Serve as an Expert Witness in any of the previously listed areas.
 3. Serve as an Instructor in various environmental engineering and/or industrial hygiene subjects [Stanford University; University of California/Berkeley; University of Washington, Washington State University, University of the Pacific, etc.].

Metronics Associates, Inc. Santa Clara, CA Jan., 1973 to June, 1980

Served seven years as President of this company, which specialized in environmental impact studies for a wide variety of different clients (i.e., wind tunnel studies, environmental baseline evaluations, etc.). Metronics Associates, Inc. also manufactures gas analyzer calibration systems and associated products.

Raychem Corp. Menlo Park, CA Sept., 1967 to Dec., 1972
Product Line Manager for the Specialty Electronic Connector Group.

Employment, continued:

The Dow Chemical Company Pittsburg, CA June, 1963 to May, 1967
Operating Superintendent for the Methionine Plant at the Pittsburg, CA, site.

Lawrence Livermore National Labs Livermore, CA June, 1959 to Sept. 1961
Design Engineer, Apparatus Division — Nuclear Weapons design.

Specialties:

I am available for consultations or forensic analyses in any of the following areas:

1. Generalized workplace situations where a worker has experienced some sort of physical problem or injury related to or associated with the condition or circumstance of that person's specific workplace – i.e., (1) a hearing problem that may have arisen from background noise, (2) vapor and/or aerosolized suspended particulate or fiber intoxication that has arisen from the presence of unanticipated ambient levels of hazardous materials, (3) problems associated with employee exposures to high level electrical and/or magnetic fields, or (4) forensic analyses of industrial accidents, injuries, or fatalities, etc.
2. Situations involving compliance with Federal or State OSHA Regulations, both in terms of the acceptable monitoring methods, and the approaches for compliance with these Regulations – including engineered solutions [modifying ventilation systems, installing sound deadening materials, removing the source of any type of a problem, etc.], administrative controls [limiting exposure times in certain locations, etc.], and/or the use of personal protective equipment [ear plugs, cartridge or supplied air respirators, safety glasses, etc.].
3. Issues involving compliance with Federal EPA Regulations in the areas of the Clean Air and/or the Clean Water Acts, and any of the associated EPA Standard Procedures [Methods 418.2, 624, 8015M, 8020, etc.], as well as the California Code of Regulations, Title 8, all subparts.
4. Analytical methodologies and systems for quantifying hazard levels associated with: (1) potentially toxic, combustible, or explosive vapors [i.e., infrared spectrophotometry, gas chromatography, mass spectrometry]; (2) suspended particulates or fibers [i.e., particle spectrometry, lab analysis by phase contrast microscopy, etc.]; (3) electric and/or magnetic field measurements [i.e., microwave sources, MRI diagnostic instrumentation, etc.]; (4) ionizing radiation monitoring [X-Ray machines, decay of medical radio-isotopes, etc.]; & (5) workplace noise.

Professional Affiliations:

Air & Waste Management Association [**AWMA**] – Individual Member

American Board of Industrial Hygiene [**ABIH**] – Member

American Consulting Engineers Council [**ACEC**] – Full Member

American Industrial Hygiene Association [**AIHA**] – Full Member

Member of the Gas & Aerosol Detection Committee

Lecturer on the subjects of Gas Chromatography & Mass Spectrometry for the
June 2001 Professional Development Course offered in New Orleans, LA,
by the Gas & Aerosol Detection Committee

American Meteorological Society [**AMS**] – Full Member

American Society of Safety Engineers [**ASSE**] – Professional Member

National Society of Professional Engineers [**NSPE**] – Member

Registrations: Registered Professional Engineer [PE], State of California – Mechanical Engineering; Registration Number M-013749; registered in 1966

Certifications: Certified Safety Professional [CSP], Board of Certified Safety Professionals; Certificate Number 9517; registered in 1990

Certified Industrial Hygienist [CIH], American Board of Industrial Hygiene; Certificate Number 3743; registered in 1984

Qualified Environmental Professional [QEP], Institute of Professional Environmental Practice; Certificate Number 04940042; registered in 1993

- Publications:**
1. *Definitions, Conversions, and Calculations, for Occupational Safety & Health Professionals*, by Edward W. Finucane; published by CRC Press / Lewis Publishers / Taylor & Francis Publishers, 2006, 528 pages, 3rd Edition. ISBN # 1-56670-640-8.
 2. *Definitions, Conversions, and Calculations, for Occupational Safety & Health Professionals*, by Edward W. Finucane; published by Lewis Publishers / CRC Press, 1998, 459 pages, 2nd Edition. ISBN # 1-56670-248-8.
 3. *Environmental Definitions, Conversions, and Formulae*, by Edward W. Finucane; published by Lewis Publishers / CRC Press, 1998, 315 pages, 1st Edition. ISBN # 1-56670-315-8.
 4. Chapter 5, Operating Theater Safety - Inhalation Anesthesia Agents, by Edward W. Finucane; *Volume 3, Essentials of Modern Hospital Safety*, compiled and edited by William Charney; published by Lewis Publishers / CRC Press, 1994. ISBN # 1-56670-083-3.
 5. *Definitions, Conversions, and Calculations, for Occupational Safety & Health Professionals*, by Edward W. Finucane; published by Lewis Publishers / CRC Press, 1993, 368 pages, 1st Edition. ISBN # 0-87371-863-1.
 6. Chapter 5, Monitoring Aldehydes in the Hospital, by Edward W. Finucane; *Volume 2, Essentials of Modern Hospital Safety*, compiled by and edited by William Charney & Joseph Schirmer; published by Lewis Publishers / CRC Press, 1993. ISBN # 0-87371-584-5.

Miscellaneous:

Retired Lieutenant, U. S. Naval Reserve, Submarine Qualified
California Community College Teaching Credential for Engineering, Physics, Chemistry, and Mathematics (through differential and integral calculus)

References:

Available on Request