

LAURA D. McHUGH, PE, MBA
SENIOR ENGINEER

EDUCATION

California State Polytechnic University, B.S., Mechanical Engineering, 1981
Golden Gate University, M.B.A., 2006

REGISTRATION

Registered Professional Engineer, California, M026161
ISO 14001 Auditor, Registrar Accreditation Board
California Registered Environmental Assessor 0399

SKILLS AND EXPERIENCE

Mr. McHugh is a senior environmental engineer with more than 25 years of regulatory compliance and health and safety management experience. She advises clients on environmental and health and safety management systems, including environmental permit and programs. She has developed and implemented EH&S programs, including environmental compliance and health and safety management programs and systems for companies with international manufacturing operations. These programs were developed to meet ISO 14001 and OHSAS 18001 requirements.

Ms. McHugh's primary areas of expertise are in engineering reviews to support environmental permitting and strategy and health and safety program development and implementation. Ms. McHugh's experience has been primarily in the biotech, pharmaceuticals and high-tech industries. In these sectors, Ms. McHugh has provided full program development for EMS and OHSAS-based management systems that support an organization's responsibilities to operate in compliance with all applicable regulations.

Ms. McHugh has successfully implemented EH&S programs in fast-paced industries, including identification of forward-looking metrics to meet goals set by the organization to comply. Ms. McHugh has developed multi-media audit programs, including selection and training of EH&S audit team members and management of the audit to meet organizational objectives for the audit program.

EH&S Program Development and Implementation: Ms. McHugh has experience developing a full-range of EH&S programs for complex and fast-paced businesses with world-wide operations. She has developed incident reporting and investigation systems, EH&S training platforms for web-based and instructor led programs, hazard communication systems, and audit and non-conformance corrective and preventive action management and tracking systems. These scaleable systems were developed to assist the organization in maintaining compliance requirements and goals during periods of high growth.

Ms. McHugh has assisted more than 30 organizations to create right-sized EH&S programs for their operations.

Environmental Audits: Throughout her career, Ms. McHugh has developed, led and managed environmental and health and safety audits to assess compliance with regulations and organizational policies and procedures. These audits have been performed for biotech, pharmaceutical, semiconductor/electronics, agribusiness, electric, and highway utility clients. Ms. McHugh taught Environmental Auditing and Environmental Due Diligence courses for the University of California, Santa Cruz Extension as part of the EH&S certification programs.

EH&S Training: Ms. McHugh has written, delivered and trained other trainers on more than 53 modules for EH&S compliance including: hazardous waste management, OSHA-required health and safety programs, air permitting, radiation safety and water/waste water management. Ms. McHugh developed and delivered training for all corporate yard managers for the California Department of Transportation.

Compliance Management Systems: Ms. McHugh has developed compliance-focused environmental management systems (EMSs) for large and mid-sized biotech and pharmaceutical operations. These systems were developed and implemented based on continual improvement (Plan-Do-Check-Act) principles. These CMSs evaluated current compliance, and developed programmatic management systems and strategies to exceed compliance standards and go beyond environmental performance standards.

Sustainability: Ms. McHugh led the initiative to seed and develop the sustainability program for a mid-sized pharmaceutical company. This effort included creation of the organization's charter, brainstorming on sustainability strategies and proposed approaches, development of evaluation criteria and selection of measures. Ms. McHugh also created a 5-year implementation plan for the sustainability program that is in its third year.