

William John Pate, DrPH

EDUCATION:

University of Texas Health Science Center at Houston- School of Public Health

Doctor of Public Health in Environmental & Occupational Health Sciences; December 2016

Minor: Management/Leadership

Dissertation Title: Agreement Between Patient Safety Culture and Employee Safety Culture in a Healthcare Environment

Florida International University

Master's of Public Health; April 2011

Graduate Certificate in Environmental & Occupational Health; April 2011

The University of Texas at San Antonio, San Antonio, TX

Graduated *Magna cum laude* with Bachelor of Science in Biology, May 2007

BOARD CERTIFICATIONS:

- Passed Part 1 and Part 2 of Certified Health Physicist Exam; pending receipt of certificate
- Certified Healthcare Facility Manager- #2321; October, 2014; AHA-CC
- Certified Industrial Hygienist- #10268 CP; April 2013; ABIH
- Certified Safety Professional- #24213 ; July 2013; BCSP
- Certified Healthcare Safety Professional- #3406; June 2012; IBCSM
- Certified Hazardous Materials Manager- #15752; August 2011; IHMM; Recertified through August 2021
- Certified in Public Health- #5942; May 2011; NBPE
- Certified Laser Safety Officer- #3490; November 2010; BLS; Recertified through December 2016

OTHER CERTIFICATIONS & REGISTRATIONS:

- 40 Hour HAZWOPER [29 CFR 1910.120(e)]; October 2008; QSSI

WORK EXPERIENCE:

- The University of Texas Medical Branch (UTMB Health), Galveston, TX
Program Director, Radiation & Occupational Safety- September 2015-Present

Responsibilities expanded September 1, 2016 to include Occupational Safety Program. Provides management and leadership to the UTMB Health Radiation Safety Program & Occupational Safety Program, with responsibilities related to radioactive materials, radiation producing machines, lasers, and magnetic resonance imaging. Participates in shared leadership responsibility among EHS Programs. Manages regulatory inspection process with the Texas Department of State Health Services. Acts as Radiation Safety Officer for UTMB Broad Scope License, x-ray/mammography registrations, and is Laser Safety Officer. Serves as co-chair of the Safety & Security Management Subcommittee, and serves as a member on the Environment of Care Committee, Medical Equipment Management Subcommittee, and the General Safety Committee. Develops and manages budgets for Radiation Safety Program & Occupational Safety Program with annual budget in excess of \$1,000,000. Evaluates current processes and identifies and implements opportunities for improvement through consensus building and teamwork. Assisted in preparation for and participated in a successful November 2015 Joint Commission accreditation survey; drafted a clarifying response that resulted in removal of a Direct Impact finding, resulting in a survey with no Direct Impact findings in the Environment of Care. Provides supervision and leadership to 7 employees, including one EHS Consultant, three Senior Safety Specialists, one Safety Specialist, one Senior Safety Technician, and one fit tester. Reports to the Associate Vice President for EHS.

- Bowen EHS, Chapel Hill, NC
Senior Instructor- October 2013- Present

Senior Instructor and Lead Instructor for the professional development online courses. Reviews and updates course materials to ensure relevant instruction to students. Provides instruction to students in a virtual classroom setting. Provides instructional support to participants within the virtual classroom setting and outside of the classroom setting as necessary. Develops and teaches periodic online webinars that providing continuing education opportunities for Bowen EHS clients. Develops and presents other short and long courses as needed to maximize professional development opportunities for Bowen EHS clients. Presented live webinars on laser safety and practical health physics. Guest instructor for the July 2014 CIH Online Review lecture on Ionizing Radiation.

- The University of Texas Medical Branch (UTMB Health), Galveston, TX
EHS Consultant- June 2013-August 2015

Participated in environment of care tours of clinical departments as required by The Joint Commission. Reduced costs by developing an in-house Laser Safety Online training to be provided to researchers and health care workers using high-powered lasers. Improved efficiency and compliance within Radiation Safety by leading the replacement of the radiation safety program database and implementing a mobile inspection system. Evaluated current processes and identifies and implemented opportunities for improvement through consensus building and teamwork. Provided mentoring & leadership to 4 employees within the Radiation Safety Group. Reported to Senior Director, EHS.

- University Health System, San Antonio, TX
Safety Manager, Environment of Care -May 2012- June 2013

Monitored and developed University Health System (UHS) programs in the following areas: (1) Joint Commission on Accreditation of Healthcare Organizations (Joint Commission) Environment of Care and Life Safety Programs, (2) OSHA and Texas Department of State Health Services compliance and programs, (3) EPA, DOT and TCEQ compliance, training and record-keeping. Areas of responsibility covered approximately 6,000 employees across several locations, including the 498-bed University Hospital, two large ambulatory clinics, and 19 preventative health, urgent care & dialysis clinics throughout San Antonio. Coordinated and directed the development, implementation and management of environmental health & safety programs including, but not limited to, hot-work, lockout-tagout, fall protection, life safety, respiratory protection and hearing conservation. Assisted the Environment of Care officer with management of the Environment of Care Committee and three subcommittees. Lead a team of Environment of Care experts on weekly tours to evaluate clinical and non-clinical areas for compliance with applicable accreditation requirements and safety regulations. Provided supervision to 2 FTE employees within the Environment of Care Department. Reported to Environment of Care Officer.

- The University of Texas Health Science Center at San Antonio (UTHSCSA), San Antonio, TX
Environmental Health & Safety Specialist – Practitioner - April 2009- May 2012

Administered the UTHSCSA and UHS dosimetry program for more than 800 radiation employees with no doses exceeding annual dose limits; managed the UTHSCSA and UHS X-ray safety program and was directly responsible for achieving compliance in more than 30 regulatory x-ray and mammography inspections; reduced departmental expenditures by more than \$12,000 annually by performing equipment performance evaluations for dental x-ray machines; restructured and implemented the laser safety program and brought the institution into compliance with state regulations and ANSI standards; developed and implemented online laser safety training course for researchers and clinical staff working with high-powered lasers; increased departmental response to radiological emergencies by coordinating emergency response drills; ensured department readiness by supervising three FTE. Reported to Director, Radiation Safety.

- The University of Texas Health Science Center at San Antonio (UTHSCSA), San Antonio, TX
Environmental Health & Safety Specialist – Associate - August 2008- April 2009

Successfully implemented institution's radioactive waste management program through the collection & management of radioactive waste; increased department efficiency by assisting with the collection and management of chemical waste; improved emergency response to radiation or chemical spills by constructing, distributing and maintaining spill response carts at the various remote sites; maintained records related to waste collection and disposal in accordance with applicable state & federal guidelines; assisted in the creation of waste management training programs that was directly responsible for increasing compliance with institutional waste management policies. Reported to Safety Specialist – Practitioner.

PROFESSIONAL TRAINING:

- Biological Safety Officer Course; April 2016; UTHSC-H & SWCOEH
- Business & Finance Leadership Academy; University of Houston Clear Lake & UTMB; Dec 2013- Nov 2014
- CHFPM Prep Course; American Society of Healthcare Engineering; August-October 2014
- Radioactive Materials Shipping Training for ICAO/DOT; UT Southwestern; September 2013
- 8-Hour HAZWOPER Refresher (29 CFR 1910.120); Houston Area Safety Council; July 2013
- Veolia's 8-Hour HAZMAT DOT Shipping (49 CFR) Training Program; May 2013
- Environment of Care Basecamp; Joint Commission Resources; February 2013
- CIH Certification Review Course; Bowen EHS; September 2012
- Environmental Health Training in Emergency Response; FEMA's Center for Domestic Preparedness; March 26-29, 2012
- Advanced Accident Investigation; TEEX; February 2012
- OSHA 30 Hour General Industry Course; TEEX; October 2011

- ASP/CSP Certification Review Course; Bowen EHS; May 2011
- Decontamination for Hospital First Receivers Train-the-Trainer Course; Southwest Texas Regional Advisory Council for Trauma; May 16, 2011
- Laser Safety Officer Training Course; November 2010; Laser Institute of America
- UTHSCSA Fundamental Supervisory Training Program; April 2010
- Comprehensive Environmental Health & Safety for Educational Institutions; September 2009; UTHSC-H & SWCOEH

TECHNICAL SKILLS:

- Proficient in the use of a liquid scintillation counter, Geiger counters, sound level meters, noise dosimeters, anemometers, and other industrial hygiene equipment.
- Graduate coursework includes biostatistics, epidemiology, risk analysis, industrial hygiene, occupational health and safety, safety program management, and leadership.
- Undergraduate coursework includes Microsoft Office training, genetics, microbiology, organic chemistry, immunology, virology, general physiology, neuropsychopharmacology, and basic Medical Technology.
- In-depth knowledge of PC and Mac based software applications, including but not limited to Microsoft Word, Excel, PowerPoint, Access, FrontPage, Word Perfect, and File Maker, as well as knowledge of Windows Me, 2000, XP, and Mac OS X operating systems.

ACCOLADES:

- Recipient of G. Roger Florky Memorial Scholarship; 2013-2014
- Recipient of Baptist Health Foundation Scholarship; 2012-2013
- Recipient of American Industrial Hygiene Foundation Fred S. Venable Scholarship; 2012-2013
- STC-HPS Outstanding Volunteer Award; April 2011
- The University of Texas at San Antonio (UTSA) Part-time Honor Roll; Fall 2008
- The UTSA President's List for 4.0 GPA; Spring 2007, Spring 2006 & Fall 2005
- The UTSA Full-time Honor Roll; Fall 2006
- The UTSA Part-time Dean's list for 3.75 or above GPA; Summer 2006
- Recipient of Sam Madrid Jr. Endowed Scholarship; 2006-2007
- 9th Annual UTHSCSA Department of Medicine Research Day Winner – Resident/Student; May 23, 2006

PROFESSIONAL & HONORARY ORGANIZATIONS:

- American Society of Safety Engineers; Member May 2012 - Present
- AIHA Alamo Local Section; August 2012 – June 2013; President-Elect October 2011 – Present; Member
- National Health Physics Society (HPS) February 2010 – Present; Member
- South Texas Chapter of the HPS April 2009 – Present: Member April 2014- April 2015: President-Elect April 2015- April 2016: President April 2017- Present: Past-President April 2011 – April 2014: Executive Committee Board Member
- Phi Kappa Phi Honor Society March 2011 – Present; Lifetime Member
- National Fire Protection Association Laser Fire Protection Technical Committee October 2013- Present; Member
- American National Standards Institute Z136.1, Z136.3, Z136.5 & Z136.8 Standards Subcommittees December 2010 – Present; Member
- Omicron Delta Kappa Leadership Honor Society 16 February 2007 – Present; Member
- Alpha Chi National Honor Society 8 August 2006 - Present; Member
- AIHA Alamo Local Section; August 2012 – June 2013; President-Elect October 2011 – June 2013; Member

VOLUNTEER EXPERIENCE:

- Scientific Peer Reviewer; Southwest Center for Occupational and Environmental Health *Served as a Scientific Peer Reviewer for Pilot Projects Research Training Program for the 2012/13 & 2014/15 funding years. Reviewed Pilot Project funding proposals to evaluate them for scientific merit based upon review criteria modeled after the National Institutes of Health enhanced peer review system. Provided an overall impact score to reflect my assessment of the likelihood (primarily derived from the investigator(s), approach and environment criteria) for the project to exert a sustained and powerful influence on the research field(s) involved (primarily derived from the significance and innovation criteria), in consideration of the five core review criteria, and additional review criteria (as applicable for the project proposed).*

PUBLICATIONS:

- W Pate, M Charlton, C Wellington. Measurement and Analysis of 8-Hour Time-Weighted Average Sound Pressure Levels in a Vivarium Decontamination Facility. *Archives of Environmental and Occupational Health*. 68:3, 173-179 (March 9 2013).
- SK Maffi, ML Rathinam, PP Cherian, W Pate, R Hamby-Mason, S Schenker, GI Henderson. Glutathione Content as a Potential Mediator of the Vulnerability of Cultured Fetal Cortical Neurons to Ethanol-Induced Apoptosis. *Journal of Neuroscience Research*. 86, 5 (December 3 2007).

BOOK CHAPTERS

- W Pate. APIC Text of Infection Control and Epidemiology, 4th Edition. *Chapter 113: Waste Management*. June 6, 2014.

ABSTRACTS & PRESENTATIONS:

- W Pate. (September 15, 2012). *Lessons Learned in Medical Laser Safety*. Presented at the South Texas Chapter of the Health Physics Society, Austin, TX.
- AE Jamali, W Pate, E Hess, GI Henderson, RA Clark, SK Maffi. (January 2009). *Mitochondrial superoxide anions as early initiators of alcohol-induced oxidative stress in neurons*.
- W Pate, E Hess, SK Ahuja S Schenker and SK Maffi. (January 2009) *Alcohol-induced oxidative Stress alters mitochondrial motility in fetal rat cortical neurons*.