**VITA**

Lisa Anne Fagan

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| Education | 2013-2015 University of Tennessee Knoxville, TN  M. S. Industrial Engineering Operational Safety and Excellence, Master of Science Industrial Engineering , Fall 2015  1997 - 2000 University of Tennessee Knoxville, TN  B.S. Engineering Science   * I completed my studies in the Biomedical Engineering Concentration   1992-1997 Roane State Community College Harriman, TN  A.S. Pre-engineering/Math |
| Professional experience | 2008- Present UT-Battelle Oak Ridge,TN  ESH Operations Support Coordinator for NScD at HFIR  Provide ES&H/Operational support and oversight of NScD activities at HFIR.   * I edit and provide feedback on project descriptions written by the Principal Investigators. I create and write Research Safety Summaries for the PI’s projects. I currently write or edit up to 84 and review all Biological Project RSSs * I am Directorate POC for RHAC system for review and approval of RSS in for NScD divisions and maintain the Directorate RSSs * I conduct comprehensive table top reviews of the RSSs at HFIR. * Worked with and provided safety support to a team to clean out the legacy samples stored at HFIR. * I am currently the Lab Space Manager for the sample storage areas that were created after the cleanout at HFIR. I maintain the samples, spaces, and databases. I provide training for users of those spaces. * I provide comprehensive reviews of proposals to identify safety related hazards, define controls for those issues, monitor those for effectiveness, and ensure that experiments do not start without proper authorization. * I provided input and safety oversight when equipment fails (such as instrument shutters). * Provide presence and input during audits, critiques or reviews. * I am the Precious Metals Coordinator for NScD (ISD and RRD). * SBMS Biohazard area Subject Matter Expert * IBC POC * I am custodian and maintain the Material Balance Area (MBA) * Member of the Configuration Control Committee for NScD at HFIR that review installation of new or modification of current instruments at HFIR. * Maintain an interface and communication between NScD civisions . * I am sealed source Custodian for several sources used at HFIR and SNS. * I developed site specific ESH training for scattering staff at HFIR, I worked with training group on this. * I conduct periodic ESH inspections, track findings and assign corrective actions as needed. I proactively monitor and evaluate the workplace and work practices for safety deficiencies and determine corrective action or refer to the appropriate authority. * I have a very good working relationship with both the researchers and other divisions here at HFIR. Specifically RRD and NSD. I am currently the primary safety and health POC for neutron scattering scientists, SA’s HBO staff and engineers. * I also support the general user population and the unique challenges often associated with that group. * I have a strong relationship with other entities at the lab that I need to get involved in the review of experiments (IBC), FPE. * I helped develop the standard site specific training given to the users of the beamlines at HFIR. * Familiar with the Tools used to input and perform IPTS , ITEMS and experimental reviews. * Certified to teach 30 hour OSHA from the University of South Florida. * Developed and oversee a BSL2 facility at HFIR. * Review and approve establishment of BSL2 facilities across ORNL.   2004-2008 UT-Battelle Oak Ridge,TN  Laboratory Technician Oak Ridge National Laboratory   * I provide continuing laboratory support and technical assistance for several projects in both the Biosciences and Environmental Divisions. * I edit and provide feedback on project descriptions written by the Principal Investigators. I create and write Research Safety Summaries for the PI’s projects. I currently write or edit up to 15. * I was the Lab Space Manager for three labs in BSD and ESD. I maintain the spaces and provide training for users of those spaces. As an LSM, I helped develop a new site specific form for training incoming researchers. I also developed protocols for new researchers when they enter our group.. * I worked a great deal with the ESD Operations Manager /BESD RSS/RHAC Point of Contact. * Worked with the SBMS system and the IBC here at ORNL. * I developed and maintained a BSL 2 laboratory. * I have worked at the Field Research Center located at Y12 and am familiar with transportation and shipping issues of hazardous material.   1995 - 2004 Roane State/ORISE/University of Tennessee at Oak Ridge National Laboratory Oak Ridge, TN  Research Assistant   * I provide technical laboratory support for the Microbial Ecology and Physiology group in the Biosciences Division (formally of the Environmental Sciences Division) at the Oak Ridge National Laboratory. I prepare and perform experiments in bioremediation, as well as other basic laboratory tasks. I use the laboratory equipment that is required to perform experiments and data analysis. I have experience in supply procurement and cooperation with other groups to carry out experiments. I have worked a great deal with microcosm and degradation studies. I have experience in doing PCR, DNA extraction, and programming robot to perform amplification. * I am familiar with ES&H procedures involved with preparation of experiments and visits from outside researchers. I write experimental descriptions and Research Safety Summaries. * Experienced in the use of the following equipment: Spectrophotometer, Gas Chromatograph, PCR machines, Biomek FX Robots( both use and programming), Hi Gro Incubation System, Genetac colony picking robot, fluorescent microscope, Biolog Microbial Identification system and the anaerobic glove box, the Microtox system. I also do a fair amount of Field work to support projects. * Proficient in Microsoft Word, Microsoft Excel and HTML. * Experience with Matlab, ANSYS Computational Dynamics Software, and Genespring. Limited experience with IMAGENE software. |
| Professional memberships | Previous student member of the National Society of Professional Engineers |
| Accreditations | A Fellow in the U.S. Department of Energy’s Energy Research Undergraduate Laboratory Fellowship for two semester terms; From November 1998 through April 1999. (ORNL)  Professional Internship Program (Oak Ridge Institute for Science Education) at ORNL from 1997-2000.  American Biological Safety Association member , 2012-  DOT/ORO Advanced compliance training- 2009  Advanced Biosafety Training- ABSA 2013  Laser Safety Officer- NScD divisions - LIA training course 2013 |
| Volunteer experience | Cub Scout Leader and Cubmaster in Pack 123. I was a leader for 12 years and occasionally help out with the Boy Scout Troop as well.  Oak Ridge High School Basketball Booster President (both programs) (5Years). 2008-2013  Jefferson Middle School Basketball Booster President (Boys)2006-08  Volunteer Science Fair Judge, Saint Mary’s School Oak Ridge, 2004-2013 |
| Awards received  **Published Abstracts**  **Presentations** | Calculus based Physics Award RSCC : 1997.  Certificate in Anaerobic media preparation ERULF Program; 1999  University of South Florida, OSHA 30 hour training- certified to teach 2012    Palumbo, A.V., S. Scarborough, L. Fagan, S. Carroll, T. Phelps, and S. Pfiffner. bioaugmentation “Potential at a Carbon Tetrachloride Contaminated Site. The 2nd International Conference on Remediation of Chlorinated and Recalcitrant Compounds”, May 22-25, 2000, Monterey, California.  Palumbo, A. V., L. A. Fagan, S. P. Scarborough, R. A. Hurt. “Bioimmobilization with triethylphosphate utilizing bacteria.” 100th General Meeting of the American Society for Microbiology. May 2000, Los Angeles, Ca.  Palumbo, A. V., R. A. Hurt, L. A. Fagan, and, S. P. Scarborough. August1999. “Triethylphosphate utilizing bacteria and bioimmobilization.” pp. 44-45. In Abstracts of the 4th International Symposium on Subsurface Microbiology, August 22-27, 1999, Vail, Colorado.  “Effects of Electron Donor Additions on Uranium Reduction Rates in Subsurface Sediments”. Abstract for the International Symposia for Subsurface Microbiology  Craig C. Brandt, Susan. M. Pfiffner, Lisa Fagan, Christopher Schadt, Meghan McNeilly, Susan Rishell, Joel E. Kostka, and Anthony V. Palumbo.  “Potential for metal leaching and toxicity from fly ash applied for increasing carbon sequestration in soil.” World of Coal Ash 2005.  Anthony V. Palumbo, Jana C. Tarver, Lisa Fagan, Rose Ruther, and James E. Amonette  “Substrate and Community Structure Determinants of Uranium Reduction Rates in Subsurface Sediments”. 3rd European Bioremediation Conference  Anthony V. Palumbo, Susan. M. Pfiffner, Lisa A. Fagan, Meghan S. McNeilly, Susan E. Rishell, Chris W. Schadt, Jack C. Schryver, Jana R. Tarver, Joel E. Kostka, and Craig C. Brandt.  “Configuration Control and Implementation of Safety Principles on the Research Side of the HFIR Site Operations’” TRR/IGORR international conference September 2010 Co- author/Doug Selby (NFDD)  “Functional Community Characteristics and Mercury Contamination in Streams (ERSP)” Co Author/Anthony Palumbo (et al…) DOE ERSP annual meeting. 2008  “Environmental parameters and the genes involved in mercury methylation in the pleomorphic Desulfovibrio africanus” Co Author Steve Brown et al… ASM 108 General meeting 2008 |