

Mark L. Tammus

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PHARMACEUTICAL ENGINEERING MANAGER

Engineering Expert who partners with leaders to advance corporate objectives and product revenues, while ensuring that industry-leading compliance practices are designed, updated, and instituted. Maintain Environmental, Health and Safety regulatory compliance using effective management and staff leadership.

Work Flow Analysis: Develop Cross-Functional Work Flow Diagrams through procedure and work performance analysis, optimizing procedures and streamlining processes to minimize effort in work completion. Involved with at least three Six Sigma green belt projects because of in-depth work flow knowledge.

P&L Maximization: Maximize profit by optimizing resource utilization and keeping operation in compliance.

Team Building: Focus performance on timely, accurate project completion. Develop cross-functional relationships.

CORE COMPETENCIES

- ✓ **Regulatory Compliance Investigation & Oversight**
- ✓ **SOP Writing & Procedure Documentation**
- ✓ **Highly Astute Technical Skills & Subject Matter Expert**
- ✓ **Optimal Resource Utilization & Costing Efficiency**
- ✓ **Staff Training & Development**
- ✓ **Database Analysis and Information Management**
- ✓ **Quality Assurance and Product Integrity**
- ✓ **Cross-Functional Working Relationship Development**
- ✓ **OSHA Certified – Government Agency Liaison**
- ✓ **Scientific Environmental Health and Safety**

PROFESSIONAL EXPERIENCE

BASF CORPORATION (formerly Watershed Pharmaceuticals), Tarrytown, NY

International Chemical and Pharmaceutical company with \$48 billion in annual sales and 8,100+ employees world-wide. BASF acquired Watershed Pharmaceuticals in 2009.

Senior Plant Engineer | Reliability Engineer | Calibration Subject Matter Expert (SME) 2003 – Present

Initially hired as Lead Engineer for Watershed for FDA project. Evolved to report to Manager on a team of 16 Reliability Engineers and Operating Department Engineers for the product Lavinor, an oral vaccine for elderly patients. Collaborate with Quality Assurance, change control groups and data management. Executed three concurrent roles with increasing responsibility and management:

- **Senior Plant Engineer:** Serves as a point of contact and SME for inter-department communication and outside regulators, including FDA facility inspectors, conducting informational meetings.
- **Reliability Engineer:** Minimize down-time via instrument and equipment maintenance optimization. Increase production systems' capacity. Wrote 53 SOPs and compliance modifications. Involved in OSHA voluntary protection program processes and standards.
 - ◆ Serve as the safety audit lead of 12-member Engineering Safety Committee and report to site leadership team for many years. Provide RCRA & HazMat refresher training as necessary.
- **Calibration SME / Business Process Team Key Member:** Ensure investigations completed on time.
 - ◆ **Spearheaded calibration standards and program revisions.** Investigated an average of 11 monthly Out of Tolerance events of GMP Critical Test Instruments (standards) and determined product impact by reviewing Reverse Traceability Reports and calibration data.
 - ◆ **Oversaw two organization-wide data-migration projects** involving calibration assets and data conversion of 19,000 instruments, each with 25+ points of data, that were used to monitor, regulate and measure pressure, temperature and humidity when making drugs by the company.

WATERSHED PHARMACEUTICALS Through Engineering Controls, Inc., Summerville, SC

A 46-employee organization providing Instrument Technicians and Engineers to large pharmaceutical firms.

Lead Engineer (Consulting Assignment)

2000 – 2003

Reported to Senior Engineer on-site at Wyeth Pharmaceuticals.

- ◆ Directed 12 engineers to reformat Preventative Maintenance Orders (PMOs), tagged and identified instruments and updated PMOs to comply with current SOPs.
- ◆ Kept client ahead of schedule through workload organization. Ultimately hired as a Watershed employee.

JONES KETCHUM ENGINEERING - Environmental Services, Charleston, SC

Medium sized, wholly-owned subsidiary of a multibillion dollar company serving niche markets, with \$10 million revenue annually, that monitored radiation safety services, and radioactive analyses and waste disposal services.

ES&H Compliance Manager

1988 – 1999

Reported to President for issues pertaining to these simultaneously held positions. Served as the Safety Lead for multiple committees and project initiatives throughout tenure. Supervised 10 employees.

- ◆ Increased sales from <\$400,000 to \$3+ million.
 - ◆ Successfully developed and managed zero-defects radioactive waste transportation business.
 - ◆ Authored Environmental, Safety & Health Manuals, Environmental Management documents and SOPs.
 - ◆ Developed policies and procedures under five NRC licenses and one state license.
 - ◆ Obtained approval of US Nuclear Regulatory Commission radioactive materials license to perform off-site remedial activities at un-licensed or under-licensed locations, in twenty-four (24) days for license of scope and magnitude that typically takes up to six months.
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COMPUTER PROFICIENCIES

Cross-Platform Collaboration: Document preparation and trouble-shooting with report writers Brio and Cognos.

Programming & Database Analysis: Developed SQL queries to extract data for analysis. Site SME for various systems.

Applications: Complete Microsoft Office suite of programs including Microsoft Project and Visio on both Mac and PC.

EDUCATION

- B.A., Biology, *Princeton University*, Princeton, New Jersey

PROFESSIONAL ORGANIZATIONS/AFFILIATIONS

- Nuclear Waste Brokers & Processors Association: Secretary, four years.
- Football and lacrosse coach – High School Students