

# L. Tichnell

Trappe, PA - Email me on Indeed: [indeed.com/r/L-Tichnell/80df0ec8a7b99d13](https://www.indeed.com/r/L-Tichnell/80df0ec8a7b99d13)

Authorized to work in the US for any employer

## WORK EXPERIENCE

### **Project Engineer**

Hart Mechanical - Perkasio, PA - November 2013 to July 2015

Coordinate with engineering, design, shop, and shipping personnel to meet project requirements

- Identify and resolve problems such as last minute design changes, instrument interference, equipment and material delays as they arise in fabrication to maintain schedule deadlines
- Write and perform Factory Acceptance Tests (FAT) on district heating skid systems
- Create equipment lists, also known as bill of materials (BOM), from Piping and Instrumentation Drawings (P&ID)
- Redline and update P&ID's during the design phase to meet process requirements and after construction for accuracy
- Maintain an inventory of equipment and instrumentation for a \$220 million job and purchase new equipment such as ball valves, butterfly valves, pressure control valves, pressure relief valves, energy meters, etc.
- Create Turnover Packages (TOP) for each skid including all test documentation, manuals and electrical drawings
- Measure skids, including connection points, and update dimensions on as built drawings

### **Project Engineer**

Pilot Process Systems - Telford, PA - January 2007 to November 2013

Acted as project manager on pharmaceutical projects up to \$900,000 involving customer correspondence, design, procurement, and management of construction and validation

- Designed and oversaw fabrication of Good Manufacturing Practice (GMP) piping systems including filtration systems, valve racks, and pump skids and carts for pharmaceutical companies
- Verified all quality documentation complied with FDA cGMP practices including weld maps and logs, material traceability and surface finish reports, calibration reports, and customer specific reports
- Managed site installation of projects on OSHA certified sites by coordinating personnel and materials, writing job safety analysis' (JSA's), and obtaining the proper permits, such as hot work and line break permits
- Validated components of piping systems, ensuring all instruments and equipment were purchased in accordance with the job specifications, calibrated when appropriate, and working properly
- Wrote and executed FATs and Site Acceptance Tests (SAT) on CIP, formulation, fermentation, and filtration systems
- Identified and resolved problems such as wiring and pneumatic issues and P&ID changes as they arose during FAT
- Produced and submitted transmittals to customers for design, equipment, and instrumentation selection including diaphragm and ball valves, pressure, temperature, and conductivity transmitters, flowmeters and pumps
- Created TOPs for projects that included mechanical and electrical procedures and certifications, electrical schematics, and quality documents such as material test reports, surface finish reports, and calibration reports
- Created equipment lists for bioreactors, CIP/SIP systems, and filtration systems from P&ID's and customer specs.

- Completed sprayball and riboflavin testing and modifications to provide complete coverage while maintaining correct pressure and flow by reaming existing holes and placing new holes as needed
- Purchased and meticulously managed company approved equipment and instruments by price, schedule, status and material documentation for jobs ranging in cost from \$50,000 to \$2 million

## EDUCATION

### **BS in Biomaterials**

Drexel University - Philadelphia, PA

2006