

# Richard Tiger

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## SUMMARY OF QUALIFICATIONS

Process technologist experienced in supporting the chemical and power generation industries for:

- Process Control, Analysis and Development
- R&D for New Products and Equipment
- Regulatory Compliance (CEMS, EHS)

Proven ability to complete complex, non-routine projects, producing quality results for business units across a large multi-national corporation.

- Highly skilled with laboratory, field portable and process analytical instrumentation & data systems.
- Continuous learner - recently enhanced skills by earning Foundation Level Tester certification.
- Aptitude for troubleshooting, repairs, design and instrument maintenance.

Transferable skills and competencies include:

Laboratory Analytical	Data Analysis & Reporting	Method & Systems Development
Process Monitoring	Compliance Monitoring	Instrumentation & Controls
Quality Auditing	Project Management	Data Acquisition Systems & IT

## PROFESSIONAL EXPERIENCE

### SENIOR CHEMICAL TECHNICIAN

*COMPANY NAME; ROCHESTER, NY*

**20XX - Present**

Managed projects generating critical data for process analytical, product development, EHS regulatory compliance issues. Worked in compliance with state and federal regulations (NYCRR, CFR, OSHA) as well as corporate and international quality guidelines (Six Sigma, SQC, ISO).

- Implemented emissions monitoring system for silver recovery department preventing a roaster / smelter operation producing \$50M annually from incurring fines or being shut down.
- Developed and implemented emissions monitoring system audits for utilities division coal power plants, enabling sale of \$1.2M in emission credits 2000-2002.
- Developed method to help characterize emissions from a polymer manufacturing process - real data replaced engineering estimates and showed planned control device not needed – savings of \$1.5M.
- Maintained mass spectrometers monitoring for explosive conditions, preventing false alarms (at \$4500/hr. machine downtime) while maintaining integrity of safety monitoring plan.
- Supported Company and Monroe County firefighters and safety professionals with on-site monitoring, exposure/risk assessment data and training. Member of on-call ER team providing coverage 24/7/365.
- Performed local IT support including emergency system repairs, critical data recovery, system upgrades, managing field laptops and facilitating services from corporate IS/IT.

### WET BENCH CHEMICAL TECHNICIAN

*COMPANY; ROCHESTER, NY*

**19XX – 19XX**

Performed analyses supporting mandated permits of industrial wastewater treatment facility. Analyzed photochemicals, photochemical processing effluents, ground waters & soil samples. Followed Good Laboratory Practices (GLP), NYS DOH Environmental Laboratory Approval Program (ELAP) & ASTM methods.

- Participated in “blind” sample proficiency testing program to maintain “best in class” lab certification.
- Excelled in repair of analytical instrumentation & achieved savings by eliminating maintenance contracts.

### PROFESSIONAL EXPERIENCE (Continued)

#### INSTRUMENT CHEMICAL TECHNICIAN

COMPANY; ROCHESTER, NY

19XX – 20XX

Maintained, repaired and calibrated laboratory and field portable instrumentation including GC, IR, total hydrocarbon and various toxic gas and air pollutant analyzers. Prepared standards, and maintained chemical inventories. Analyzed ambient air and process emission samples.

- Improved analytical accuracy of component leak study while achieving \$12K in savings over initial phase. Presented work at World Wide Analytical Symposium.
- Selected for team and traveled to Company Mexico for combustion diagnostics. Team's knowledge of standards & methods resulted in compliance with pending regulations from Mexican version of EPA.
- Successfully re-engineered plume monitoring system for silver nitrate plant. Consulted with Company engineers from Brazil and Mexico so the design could be replicated at those sites.
- Provided paper sensitizing division with unique measurements of gases causing defects in emulsion layer dyes. Results led to machine and formulary changes that reduced product waste.
- Proposed job tracking database. Implementation resulted in significant improvement to annual budget process and demand operations tracking for volume variance.

### EDUCATION

**BACHELOR OF SCIENCE**- Chemistry; Rochester Institute of Technology, Rochester, NY; GPA 4.00

**ASSOCIATE IN APPLIED SCIENCE** - Chemical Technology; Monroe Community College, Rochester, NY; GPA 3.75

### PROFESSIONAL DEVELOPMENT

Project Management	ISO Guide 17025 Overview	Auditing CEMS Systems
Air Permitting Workshop	Statistical Quality Control	Instrumentation & Control
Business & Laboratory Ethics	Analytical Problem Solving	Capillary Chromatography
EH&S Leadership	VOC Sampling and Analysis	Software Testing Foundations

### SAFETY TRAINING

Respiratory Protection Training	Confined Space Entry	Fall Arrest Training
Electrical Safety and PPE	CMA Facility Safety Inspection	Lock Out / Tag Out
Scaffold User Training	OSHA Lab Standard	X-Ray Safety
Emergency Rsp. Radiation Safety	RCRA Hazardous Waste Handling	OSHA 40 Hour HAZWOPER

### PROFESSIONAL ORGANIZATIONS

- Genesee Valley Chapter of the American Society of Safety Engineers
- Certified Foundation Level Tester (CTFL) – American Software Testing Quality Board (ASTQB)
- The August Group (networking organization for Rochester area professionals)

### AWARDS & RECOGNITION

- Graduated “Highest Honors” from Rochester Institute of Technology & MCC
- Company Excellence in Technology for “Measurement of DRE for Polyester Recovery's Hot Oil Heater”