

## **Job Posting: CEMS Field Engineer**

**Position Type:** Full-Time

**Location:** Wayzata, MN

**Travel Required:** Up to [e.g., 50-70%] regional/national travel

**Experience Level:** Mid-Level (2+ years preferred)

### **About the Role**

We are seeking a skilled and highly motivated **CEMS Field Engineer** to join our technical operations team. In this role, you will be the hands-on technical expert responsible for installing, calibrating, maintaining, and troubleshooting Continuous Emissions Monitoring Systems (CEMS) at various client and industrial sites.

Your expertise will directly ensure our clients maintain strict compliance with EPA and local environmental regulations, keeping their operations running safely and efficiently.

### **Key Responsibilities**

#### **Technical Execution & Maintenance**

- **Installation & Commissioning:** Lead the field installation, wiring, and integration of CEMS equipment, including gas analyzers, sample handling systems, and data acquisition and handling systems (DAHS).
- **Calibration & Testing:** Perform routine daily calibration, quarterly (CGA), and annual Relative Accuracy Test Audits (RATA) to verify system precision and regulatory alignment.
- **Troubleshooting & Repair:** Diagnose complex mechanical, electrical, and pneumatic failures in the field. Read schematics and technical manuals to execute swift, precise repairs.
- **PLC Integration:** Interface with and modify basic Programmable Logic Controller (PLC) configurations to ensure seamless communication between CEMS and the plant's main control systems.

#### **Compliance & Documentation**

- Maintain meticulously logged downtime, calibration errors, and maintenance records to support EPA/state agency audit readiness.
- Draft field service reports, safety documentation, and operational manuals.

## **Client & Project Support**

- Provide on-site technical training to plant operators regarding system functionality and basic maintenance workflows.
- Manage an inventory of critical spare parts and testing gases on sites to ensure rapid resolution times.
- Ability to write complete EPA reports for customer submittal.

## **Qualifications & Requirements**

### **Experience & Education**

- **Experience:** 2+ years of dedicated experience working directly with CEMS or industrial gas measurement instrumentation.
- **Education:** Associate's degree in Instrumentation, Electronics, Process Control, or Environmental Technology; OR equivalent military experience/technical certification (a Bachelor's degree in Engineering or Chemistry is a plus).

### **Technical Competencies**

- Deep knowledge of gas analyzer technologies (e.g., Extractive, dilution, Chemiluminescence, Paramagnetic).
- Robust understanding of sample conditioning systems (chillers, pumps, heated sample lines).
- Strong electrical and pneumatic troubleshooting skills (multimeters, loop calibrators, 4-20mA signals).
- Familiarity with EPA regulations (such as 40 CFR Part 60 and Part 75) is highly preferred.
- IT Networking and computer competencies a plus.

### **Physical & Logistics Requirements**

- Ability to travel heavily ([e.g., 60%]) to industrial environments (power plants, refineries, chemical facilities).
- Must be comfortable working independently at heights and in varying weather conditions.
- Must possess a valid driver's license and pass standard industrial background screenings/drug tests.

## What We Offer

- **Compensation:** Competitive base salary and yearly discretionary bonuses.
- **Travel Benefits:** Vehicle allowance, cell phone, company credit card/reimbursement for travel expenses.
- **Health & Wellness:** Comprehensive medical insurance (80% paid by company).
- **Retirement:** 401(k) with company safe harbor and profit sharing.
- **Growth:** Continuous manufacturer-certified training and career advancement paths.

**How to Apply:** Send your resume and a brief cover letter highlighting your experience with specific analyzer brands or EPA regulations to [sales@cemsource.com](mailto:sales@cemsource.com).