



## KOCH FERTILIZER CANADA, ULC

### GROW YOUR FUTURE WITH KOCH FERTILIZER CANADA, ULC!

- A **culture** that places top priority on integrity and compliance
- Opportunity for career growth at one of the largest, financially stable companies in the world
- Encouragement to **challenge** the status quo and share knowledge
- Responsibilities and rewards based on contributions
- Continued **company growth** as a result of reinvesting 90% of our earnings

Based in Brandon, Manitoba, we synthesize and blend nitrogen, phosphate, and sulfur products with ammonia, which we market primarily in the prairie provinces of Canada and the northern United States. Operating 24 hours a day, 365 days per year, we employ approximately 270 dedicated team members. Our fundamental commitment to safety, health, and environmental stewardship drives all our processes.

### FIXED EQUIPMENT ENGINEER

#### You will:

- Develop and implement Mechanical Integrity (MI) and equipment reliability programs; analyze cost effectiveness of equipment design, upgrades and modifications and develop solutions to improve them
- Manage and Oversee the Risk-Based Inspection program sitewide; develop and maintain the MI program by operating unit, prioritized by risk; prepare reports on RBMI program implementation across the plant
- Perform risk ranking, criticality analysis, ensure IDMS update accuracy and completeness through inspection and engineering assessment of all likely failure mechanisms; develop matrixes for team reliability initiatives based on feedback implement upgrades
- Investigate equipment failure incidents, determine root causes and implement corrective actions; ensure quality control steps are followed by the maintenance team during critical repair tasks
- Support Project and Operations (Process and Plant) Engineers with asset design specs and engineering validation; provide SME support for fixed equipment design for both new and in-service installations
- Oversee Mechanical Safety Design Reviews for new equipment to ensure they meet current design standards (ASME/API); act as the subject matter expert for all fixed equipment-related MOCs
- Provide recommendations to asset owners and engage as the fixed equipment subject matter expert for all project engineering work with internal and external vendor engineering companies
- Create repair strategies and work steps for maintenance personnel and planners; coordinate and support repair installation of mechanical fixed equipment to ensure they meet codes and regulations
- Manage the Joint Integrity program; develop strategies and repair methods for known bad-actors with leaks from pipe/PV joints
- Play an active role in outages and turnaround maintenance scope collection for the operating plant areas; supervise and carry out QA/QC field welding and inspection work as required by MI inspections/repair

#### The qualifications you have include:

- At least 8 years' experience as an engineer with exposure to oil/gas, fertilizer, petrochemical industry pressure equipment design (tanks, pressure vessels, piping, relief valves, etc.)
- Bachelor's degree in mechanical or materials-metallurgy engineering from an accredited, post-secondary institution
- Experience with fabrications, repairs and inspections
- Knowledge in pressure safety systems regulations
- Working knowledge and experience with design codes for pressure systems (CSA-B51, ASME B 31.3, API 650/653, API 579, API510, API570, BPVC Section I-XIII)
- Exposure to Risk-Based Inspection Methodology (API580/ API581)
- Certification and training in welding, corrosion and/or inspection (CWB, NACE, APII)
- Eligibility for P.Eng through APEGM
- Proven organization and time management skills; detail-oriented; high level of integrity, honesty and professionalism; able to work independently

**The work environment you'll be entering requires and includes:**

- Ability to work in an industrial manufacturing environment
- Availability for flexible hours based on job requirements
- Manual dexterity required to use desktop computer and peripherals
- Ability to work outdoors in all types of weather
- Ability to climb stairs, ladders, and work at heights
- Occasional exposure to fumes/airborne particles
- Ability to wear a gas mask-type respirator and PPE
- Tolerance to occasional exposure to fumes or airborne particles and toxic/caustic chemicals with appropriate PPE
- Unassisted physical mobility in and around plant and equipment
- Ability to sit, stand, kneel as necessary
- Ability to travel to and enter site to access equipment
- 10% travel, including air

We offer a full extended benefits package including health and dental coverage, pension, and subsidized investment options, as well as nationally-competitive wages and performance-based bonuses with a team that is committed to success! Relocation may be available for this position.

**If you are ready to step into an exciting position with Koch Fertilizer Canada, please apply online at:**

<https://kochcareers.taleo.net/careersection/2/jobdetail.ftl?lang=en&job=054742>

**Want to learn more about Koch Fertilizer?**

[www.wearekoch.com](http://www.wearekoch.com)



*Koch Fertilizer Canada, ULC is an equal opportunity employer and we encourage all qualified candidates to apply. Respectfully, we can only acknowledge those under consideration.*

*By applying to this position you are confirming that you possess valid Canadian work authorization.*

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