

Excellence, Innovation, Engagement

Position Title:

Risk Scientist/Engineer

Location:

Calgary, Alberta or

Red Deer, Alberta

Position Overview

We have an exciting and challenging opportunity for a risk scientist/engineer to join our corporate process safety group. As a risk scientist/engineer you will develop and apply your outstanding research, problem solving, and analysis skills to a broad range of technical issues so as to quantify process related threats/hazards and develop appropriate solutions. Through these activities you will be taking a front line role in the protection of our business, our people, the environment, and the communities in which we operate. NOVA Chemicals is a leading organization in process safety and risk management and you will be expected to strengthen our programs and contribute to the development of new knowledge and techniques in these fields.

If you are a person who enjoys applying logic to solve problems, seeing trends where others see noise, working on multiple projects (possibly covering multiple technical areas) at one time, and can act both as a generalist or as a specialist depending on the situation we encourage you to explore this opportunity further.

Responsibilities:

- Conduct qualitative and quantitative risk analysis and hazard reviews for a variety of operation and project problems (with a particular focus on high consequence, low probability scenarios).
- Develop expertise in detail consequence modeling in support of various risk assessment.
- Prepare annual loss forecasts.
- Develop, publish, and monitor corporate process safety metrics.
- Regularly assess both internal and external loss data so as to identify trends of concern.
- Facilitate, conduct, and coach others on the use of various risk analysis techniques.

- Maintain knowledge and awareness related to catastrophic threats.

Required Experience:

- Strong math and science skills (probability, statistics, and experimental design in particular).
- Ability to review data and assess elements of concern.
- Strong computer skills, particularly as related to data analysis and modeling (Excel, Access, Business Objects).
- Basic chemistry and/or engineering knowledge as related to ethylene and polyethylene

production and related hazards.

- Ability to work within one or more project teams and manage multiple projects at various stages of development.
- Strong willingness to take initiative and be a self-directed worker.
- Demonstrated decision making and problem solving skills.
- Ability to present work and explain findings to senior leadership, particularly as relate to potential adverse outcomes and the underlying science and engineering concepts.
- Excellent verbal and written communication skills.

Required Education/Prerequisites:

- B.Sc. in Chemical Engineering or Natural Sciences with 5 - 8 years related experience, a post graduate degree and/or research experience would be considered a strong asset for this position.
- Graduate/post-graduate course work in risk based problem solving or equivalent training

Please send your cover letter and resume to chresume@novachem.com

***** In the subject line of your email, please add "Risk Scientist/Engineer"**