

## *Excellence, Innovation, Engagement*

### **POSITION TITLE**

Instrumentation Reliability Specialist

### **LOCATION**

Joffre/Red Deer, Alberta

### **POSITION OVERVIEW**

This position will provide Instrumentation and Electrical Reliability support to the Olefins and Manufacturing Infrastructure facilities at the Joffre site. This role contributes to achieving and maintaining 1st quartile performance in asset utilization (uptime & quality), function-to-design, and maintenance costs. The successful incumbent will be responsible to deliver results in 4 key areas:

### **RESPONSIBILITIES:**

#### Unit Reliability

The incumbent will identify, develop and execute approved Reliability improvement initiatives including:

- Working with Maintenance, Operations, Plant and Capital Engineering teams to identify and resolve approaches to unit instrumentation and electrical reliability priorities
- Lead & manage a Reliability Project Portfolio for the definition, measurement, analysis, improvement and control of approved initiatives
- Review and input to unit outages and major turnaround scopes
- Lead and/or participate in the use of analytical tools to ensure optimal practices are applied to I/E manufacturing assets utilizing Reliability Engineering methods such as RCM, RCFA, FMEA, Crow – AMSAA plots, Weibull analysis, RAM modeling etc.
- Identify and implement equipment strategies including the selection of technologies for preventive and predictive (PPdM) programs. This includes preparing PM plans based on the NOVA Reliability Systems Standard
- Ensure the Computerized Maintenance Management System (SAP modules, etc) are in alignment with equipment strategies and FMEA templates
- Apply/sustain/improve NOVA Reliability Systems Standards
- Apply Lean Sigma/Six Sigma fundamentals to equipment reliability
- Review new equipment designs to ensure maintenance and reliability issues are considered and addressed. Develop reliability requirements for new equipment and repaired equipment
- Benchmark internally and externally to identify and share best practices
- Optimize equipment spare parts and predictive/preventative maintenance practices to ensure required reliability at lowest cost.

#### Unit Support

The incumbent will also provide technical support to Plant Work Teams, Operations and Maintenance for critical issues, including:

- Plant trips, capacity limitations, etc.
- Technology application
- Equipment specification & changes
- Troubleshooting
- Mentorship
- Highlight and address maintenance, operational, and engineering practices that negatively impact

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reliability

- Follow-up (direct technical support or lead focus teams) on equipment failures, determine root causes and identify actions to prevent reoccurrence.

### Projects

- Provide project design and management for Instrumentation projects as required
- Apply "reliability-in-design" focus to PD&I process including project justification, technical direction/specification, spare parts assessments and auditing of project reliability deliverables (e.g. PM's, spare parts etc.)

### Reliability Systems

- Ensure alignment and contribution to corporate reliability standards
- Ensure consistent application of Reliability tools and processes across the Joffre site, and chair the Site Instrumentation Reliability Review Board
- Provide extended leadership to unit I/E specialists
- Provide effective connection to Unit Discipline Teams through education and application of Reliability Systems & Processes

### **REQUIRED EDUCATION & EXPERIENCE:**

- Instrumentation and/or Electrical Engineering degree or technical school diploma with 8+ years of maintenance and/or reliability engineering experience in an industrial plant or equivalent technology environment
- Preference given to individuals in the above disciplines that are currently registered through ASET with RET/RPT designations or Engineers with APPEGA P. Eng designation
- Solid experience with Reliability engineering initiatives
- Exposure to Process Safety Management aligned to Safety Instrumented Systems would be an asset
- Ability to work independently, as well as in a team setting, with excellent interpersonal and communication skills is required
- Experience with SAP and/or Meridium, along with demonstrated probability/ statistical/analytical skills to support equipment strategies will be an asset
- Demonstrated technical and advanced troubleshooting skills along with a proven track record for success
- Hands-on experience with Lean Sigma (Six Sigma), an ability to facilitate Root Cause Failure Analysis and Reliability Centre Maintenance practices would make you an ideal candidate for this position.
- Ability to provide leadership, complemented by the drive to deliver results.

**To respond to this posting, please send your resume and quote**

**Job Posting Reliability to: [WestCdnResumes@novachem.com](mailto:WestCdnResumes@novachem.com)**