



## POSITION DESCRIPTION

POSITION DETAILS			
<b>Position Title:</b>	Summer Intern – Reformer Tube Analytics	<b>Date:</b>	July 2025
<b>Division (Country):</b>	New Zealand	<b>Approved By (Title):</b>	VP, Reliability and Asset Integrity
<b>Primary Location (Site):</b>	Motunui	<b>Reports To (Title):</b>	Global Expert Static Equipment
<b>Department:</b>	Global Manufacturing	<b>Direct Reports:</b>	Not Applicable

METHANEX NEW ZEALAND
<p>Methanex New Zealand Limited is the country's only methanol manufacturer in Taranaki and is a wholly owned subsidiary of Canadian-based Methanex Corporation. About 95 per cent of our product is exported to the Asia Pacific region, making the company a leading exporter for New Zealand.</p> <p>Methanol manufacturing is a three-stage process – Reforming, Compression/Conversion and Distillation. Methanol is everywhere – the paint on the walls, the polyester and nylon in carpets and furniture, plastics, silicone sealants all of these and more are derived from methanol.</p>

POSITION PURPOSE
<p>To collate and consolidate current individual regional guidelines relating to Reformer Tube Life management tools and methods, and produce a Corporate Document on how to record and analyse plant data.</p>

DUTIES AND RESPONSIBILITIES
KEY ACCOUNTABILITIES AND RESULTS /DELIVERABLES
<ul style="list-style-type: none"> <li>• Develop corporate guidance documentation for reformer tube management systems across all manufacturing sites.</li> <li>• Collate and consolidate existing tools and methodologies currently used and incorporate into a comprehensive document.</li> <li>• Define and document best practices for capturing and analysing key plant data, including: <ul style="list-style-type: none"> <li>○ Diametral and axial permanent strain</li> <li>○ Thermal cycles</li> <li>○ Life consumed using in-house software</li> <li>○ Future life projection</li> </ul> </li> <li>• Establish replacement strategy framework, identifying key inputs and parameters for reformer tube replacement.</li> <li>• Build a financial model to support cost benefit analysis and long term planning for reformer tube replacement and maintenance strategies.</li> <li>• Generate an inspection model, including destructive testing, to allow for timely turnaround planning.</li> </ul>

LEADERSHIP		
(The shaded box indicates which Leadership apply to the position)		
Coordinates	Supervises	Manages
Guides work of others who perform essentially the same work. May organize, set priorities, schedule and review work, but has little to no responsibility to hire, terminate, review performance or make pay decisions.	Supervises work of others, including planning, assigning and scheduling work, reviewing work and ensuring quality standards, training staff and overseeing their productivity. May offer recommendations for hiring, termination and pay adjustments, but does not have responsibility for making these decisions.	Supervises work of others, including planning, assigning, scheduling and reviewing work, ensuring quality standards. Is responsible for hiring, terminating, training and developing, reviewing performance and administering corrective action for staff.

METHANEX CORE COMPETENCIES		
(The shaded box indicates which Methanex Core Competencies apply to the position)		
Individual Contributor	Managers, Supervisors, or Senior Individual Contributors	Senior Manager or Leader
Decision Quality Peer Relationships Drive for Results Self-Development Customer Focus Cross-Cultural Sensitivity	Dealing with Ambiguity Organisational Agility Developing Direct Reports and Others Managerial Courage Planning Cross-Cultural Agility	Strategic Agility Building Effective Teams Managing Vision and Purpose Motivating Others Sizing up People Global Business Knowledge

VISION AND VALUES	
<b>Methanex Vision and Values</b>	<p>Contributes to the organisational vision of Global Methanol Leadership and as a team member demonstrates the core values of integrity, trust, respect, professionalism and teamwork</p> <p>Undertakes all aspects of the role through living the Methanex values</p> <p>Demonstrated through feedback from team and leaders</p>
<b>Responsible Care</b>	Conducts all business in a manner which supports the Responsible Care® ethic

HEALTH AND SAFETY BEHAVIOURS			
(The shaded box indicates which Health and Safety Behaviours apply to the position)			
Topic	Everyone	Supervisors	Managers
<b>Standards</b>	Follow rules	Deliver health and safety excellence	Set high standards
<b>Communication</b>	Speak up	Encourage the team	Communicate openly
<b>Risk Management</b>	Be mindful	Promote risk awareness	Confront risk
<b>Involvement</b>	Get involved	Involve the team	Involve the workforce

### POSITION SPECIFIC COMPETENCIES

- Decision Making
- Strong software and coding skills
- Analytical and research experience
- Results driven, and goal orientated
- Well organised
- Communicates well within own group and other departments
- Excellent written and verbal communication skills
- Attention to detail
- Ability to pick up and learn new programming languages
- Inquisitive and challenging

### KEY WORKING RELATIONSHIPS (Internal and External)

- Global Experts Static Equipment
- Site Process Engineers
- Site Inspection Lead

### KNOWLEDGE, SKILLS AND EXPERIENCE

- Completed 3<sup>rd</sup> or 4<sup>th</sup> year in Bachelor of Engineering or 3<sup>rd</sup> year in Computer Science
- Intermediate to advanced Excel
- Coding in Python

### OTHER BACKGROUND INFORMATION

- Will meet Engineering Professional Hours requirements
- Available transport to Methanex site in Motunui required (public transport is not available)