

Meera Kothari P.Eng.

Professional Experience

TransCanada Corp. Houston, TX

October, 2014 – Present

Manager, U.S. Business Development, Liquids Pipelines

- Manage TransCanada's existing customer relationships, and develop new customers for future business opportunities.
- Market of capacity on TransCanada's existing oil pipeline system, and extending the reach of TransCanada's oil pipeline network through the development of transportation and terminalling opportunities.
- Perform market research and provide analysis supporting strategy development.
- Prepare business strategies and plans.
- Provide analytical and due diligence support.
- Prepare marketing material and proposals.
- Assist with development of key valuation assumptions and related analysis.
- Interact with key internal clients: Engineering, Supply Chain, Construction, Operations, Legal, Finance, Accounting, Tax, and Risk.
- Transition successful development projects to execution.

TransCanada Corp. Houston, TX

October, 2012 – Present

Manager, Technical Services Pipeline Engineering for Keystone Oil Projects

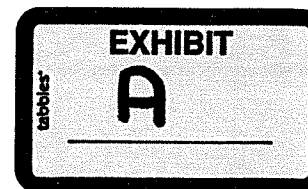
- Guide, review and sign off on pipeline designs and facility interface designs for oil project portfolios worth up to \$12B.
- Oversight of 8 engineering firms dealing with all facets of pipeline engineering (inclusive of specialty items such as routing, civil design, E&I, welding, ECA, coating, welding, NDE technology, stress analysis, cathodic protection design, AC mitigation design, risk and spill analysis, thermal modeling, etc.)
- Oversight of construction technical execution for a 860 km 36" pipeline project inclusive of mechanize and flux core welding, automated girth weld coating application, high risk HDDs applications (7500 ft+ in length), AUT/RTR nondestructive examination, automated inspection record capturing
- Performance management for team of 15 direct reports/10 contract staff (engineers, technologists, resident inspectors).
- Technical representative interfacing with construction contractors and major pipe/material suppliers.
- Preparation of permit applications, data responses and meetings with Canadian/US Federal and State agencies (NEB, PHMSA, Department of State, Bureau of Reclamation/Land Management ,etc.),

TransCanada Corp. Houston, TX

November 2011 - October 2012

Technical Advisor, Keystone XL Pipeline Project

- Technical advisor during pipeline detail design phase, construction contractor bid process, material procurement, and preconstruction planning activities for 36" 2,798 km cross border pipeline project.



TransCanada Corp. Houston, TX

January 2011 - November 2011

Reclamation Project Manager, Cushing Extension Pipeline

- Management of ROW reclamation activities for 482 km pipeline.

TransCanada Corp. Houston, TX

April 2010 - January 2011

Project Manager, Cushing Extension Pipeline Project

- Construction execution of \$110M, 36" 171 km pipeline project in Kansas.
- Delivery of safety performance results and ensured management visibility on the construction site.
- Ensured the project was constructed with the approved design, plans, and standards; and in accordance with environmental regulations and all project permit conditions.
- Delivered within budget and on-time performance meeting project safety, environmental, and quality requirements.
- Ensured positive and professional relationships are enhanced and maintained with contractors, unions, landowners, communities, aboriginal, governmental and regulatory bodies.
- Facilitation of Board of Directors and External Stakeholder visits to the ROW.

TransCanada Corp. Calgary, AB

October 2005 - April 2010

Lead Project Engineer, Keystone Pipeline Project

- Development and review of DBM, FEED, detail design, specifications, standards, procedures for new construction, pipeline change of service conversion and above ground facilities in accordance with applicable industry codes and standards (Canada & USA).
- Pipeline route planning, HCA development, integrity management plans, spill analysis.
- Construction technical support for design, coating, NDE (AUT/RTR), ECA, mechanized/manual welding, hydrostatic testing, In-Line Inspection (ILI), and materials.
- Commissioning support.
- Engineering and Integrity assessment for conversion of 864 km circa 1950, 34" gas pipeline to crude oil service in Canada. Converted without hydrotesting through the use of ultrasonic in-line inspection
- Engineering assessment for the design, construction and operation of 30"/36" 2,215 km crude pipeline at 80% SMYS in the USA. First liquid line to be granted a waiver in the US.
- Plan, review and ensure timely completion of regulatory baseline data collection, permit application preparation and submittal in Canada (NEB Section 74, Section 52, Section 58) and the US (NEPA and State).
- Preparation and analysis of project budgets & expansion cases.
- Generation of terms, conditions, scope, analysis and award and completion of project RFP for major materials and services.
- Expert witness testifying at multiple Department of State (DOS) hearings, State hearings, technical spokesperson at public consultation project open houses.
- Preparation of permit applications, data responses and meetings with Canadian/US Federal and State agencies (NEB, PHMSA, Department of State etc),

TransCanada Energy. Trois Rivières, Québec

May 2005 - October 2005

Project Engineer, Becancour 500 MW Cogeneration Power Plant

- Development & implementation of inside battery limit/outside battery limit construction quality plan for \$550M project.
- Witness point inspections and audit of equipment fabrication & equipment installation.
- Conducted plant hazard assessment recommendation close out.
- Validation of work package estimates for outside battery limit pipeline project bid award.
- Development hazardous material philosophy.

Meera Kothari – Resume - Page 2 of 4

- RFP preparation for gas and chemical supply.
- Development of community investment risk matrix.
- French guided plant tours for various stakeholders.
- Preparation of monthly project status report, management presentations and HS&E statistics
- Analysis and validation of cost and schedule for various work packages
- Development of management operating system compliance tracking report

TransCanada Corp. Calgary, AB

July 2001 - April 2005

Pipeline Integrity Engineer for Asset Reliability, Technical Support and Technology Management

- Technical specification support for new capital pipeline projects (coating, welding, materials, NDE).
- Engineering critical assessment for pipeline defect assessment, maintenance repair, pipeline pressure de-rating, unsupported pipe lengths, blasting/explosives, coating systems for 40,000 miles of operating pipeline.
- Urban development encroachments, foreign utility, road and vehicle crossing application review focused in the areas of integrity verification, stress analysis, population growth tracking for the purpose of code compliance and conflicts with facilities that may impact the ability to maintain integrity, access for maintenance purposes, emergency response accessibility and compatible land uses for 40,000 miles of operating pipeline.
- Failure analysis of in service pipe body leaks, pipeline ruptures and hydrostatic test failures
- Research & Development of SCC & MFL In-Line Inspection, NDT techniques, pipeline repair techniques, mainline and joint coating systems, welding of new materials.
- Risk analysis for new pipeline construction projects.
- Development of engineering & integrity budget and programs for due diligence and acquisitions.
- Development of commercial agreements & contracts with Provincial Governments, private developers and construction contracts for pipeline upgrade/rehabilitation project.
- Coordination of Facilities Integrity R&D Program reviews and budgeting cycles.
- Liaison with Regulators (National Energy Board, Transportation Safety Board and Alberta Energy and Utilities Board) with respect to integrity management issues and incidents.
- Providing direction during emergency maintenance activities to various groups within the organization.
- Developed annual integrity maintenance program using quantitative risk modeling software.
- Coordination of research & development projects for risk management, corrosion and SCC.
- Coordination of peer review team for evaluation of projects feasibility and cost management.
- Performed value/benefit analysis for integrity projects.
- Directing contractors & field technicians to perform technical tasks.

Education

Bachelor of Science (BSc) – Mechanical & Manufacturing Engineering, University of Calgary, AB May 2001

- Four (4) Summer Student Program Terms with Petro-Canada Oil & Gas Ltd performing data and technology architecture development for various projects: McKay River Bitumen Recovery Scheme, Desulfurization upgrade facility, transportation developments and Natural Gas Liquids (NGL) facilities June 1998 - May 2001

Special Skills

- **Team and Individual Leadership** – Can fully utilize the capabilities of direct reports to ensure effectiveness of own department. Empowers and motivates the team to set and achieve goals despite significant obstacles.
- **Project Management** – Utilize time management skills to meet deadlines for numerous major projects and demonstrated ability to engage and collaborate with team members effectively.
- **Communication & Collaboration** – Possess strong oral and written communication skills; able to research and present ideas effectively as shown through publications, speeches, and presentations.
- **Languages** – Write and speak fluent English and French

Publications & Industry

M. Kothari, S. Tappert, U. Strohmeier, J. Larios and D. Ronsky, "Validation of EMAT In-Line Inspection Technology for SCC Management," Proceedings of the International Pipeline Conference, Calgary, 2004.

R. Worthingham, M. Cetiner, M. Kothari, "Field Trial of Coating Systems for Arctic Pipelines," Proceedings of the International Pipeline Conference, Calgary, 2004.

Chair Person: In-Line Inspection Session, Banff Pipeline Integrity Workshop, Banff, 2005

Professional Member of APEGGA