

STATE OF NORTH DAKOTA
PUBLIC SERVICE COMMISSION

TRANSCANADA KEYSTONE PIPELINE, LP

CASE No. PU-06-421

30-INCH CRUDE OIL PIPELINE/CAVALIER TO SARGENT COUNTIES

SITING APPLICATION

OAH CASE No. 20070181

TESTIMONY OF BRIAN THOMAS
IN SUPPORT OF APPLICATIONS
FOR A CORRIDOR CERTIFICATE AND ROUTE PERMIT


BRIAN THOMAS, BEING FIRST DULY SWORN, ON OATH, DEPOSES AND STATES AS FOLLOWS:

1. My name is Brian Thomas, BSc., P.Eng. I am President of BRIWEST Energy Ltd. I am providing consulting services to TransCanada Keystone Pipeline, L.P. (Keystone) with respect to the Keystone Pipeline project. I have over 25 years of technical, operations and management experience in all aspects of pipeline facilities development, construction and operations.
2. I am filing this testimony on behalf of Keystone, in support of its applications for a Certificate of Corridor Compatibility and a Route Permit for the proposed Keystone project.
3. I am attaching a copy of my resume and professional qualifications.
4. On April 10, 2007, Keystone filed an application for a Certificate of Corridor Compatibility and an application for a Route Permit, pursuant to the North Dakota Energy Conversion and Transmission Facility Siting Act, North Dakota Century Code, Chapter 49-22.
5. By its applications, Keystone seeks authorization to site and construct a 30-inch crude oil pipeline and appurtenant facilities, which will deliver crude oil from an oil

supply hub near Hardisty, Alberta, Canada to Wood River and Patoka, Illinois and Cushing Oklahoma.

6. The pipeline will enter North Dakota at the North Dakota/Canada border in Cavalier County and will extend in a southerly direction, exiting the State at the South Dakota border in Sargent County. The length of the pipeline in North Dakota will be approximately 218 miles.
7. Keystone's applications address the elements required by the North Dakota Century Code. The Corridor Certificate application is organized pursuant to the North Dakota Public Service Commission's (Commission) "Application Guidelines for a Certificate of Corridor Compatibility."
8. I am responsible for the following portion of Keystone's application for a Certificate of Corridor Compatibility:
 - a. Section D.2.c.ii.(6) Selection Criteria; Impact on Human Health and Safety. I am responsible for the portions of this section that address pipeline safety and the U.S. Department of Transportation (DOT) pipeline safety regulations, including the requirement to develop an Emergency Response Plan (ERP).
9. I am responsible for the following portions of Keystone's Application for a Route Permit:
 - a. Section B.2 – The Effects of New Energy Conversion and Transmission Technologies and Systems Designed to Minimize Adverse Environmental Effects. Along with Keystone witness Meera Kothari, I am responsible for the portion of this section that addresses Keystone's use of proven technologies designed to minimize adverse environmental impacts, and US DOT pipeline safety regulations.
 - b. Section B.11. – Federal Agencies. I am responsible for the portion of this section that addresses Keystone's consultation with the U.S. DOT.

Dated this 18 day of July, 2007.



Brian Thomas

County of _____)

) ss.

State of _____)

On the _____ day of July, 2007, before me personally appeared Brian Thomas, known to me to be the same person described in and who executed the within and foregoing instrument and acknowledged to me that he executed the same.

Notary Public, State of _____

(SEAL)

BRIWEST Energy Ltd.

Introduction

Mr. Thomas has gained approximately 25 years of technical, operations and management experience in all aspects of pipeline facilities development, construction and operations with Enbridge Pipelines Inc. He resigned in August, 2005 to create BRIWEST Energy Ltd. and is currently engaged in providing consulting services to various clients.

Background

Held various positions within project teams associated with the engineering design, procurement and construction of pipeline, pump station and terminal facilities. Highlights include the Norman Wells Pipeline project and a Line 1 replacement project that consisted of 335 miles of pipeline from Regina, SK to Gretna, MB. Went on to hold positions of increasing responsibility in the Operations area, including Oil Movements Engineer and Operations Advisor. Solely responsible for the coordination and scheduling of all maintenance activities throughout the Enbridge mainline pipeline system, throughout many years of apportioned service and capacity expansion programs. Duties also included the evaluation of pipeline performance and implementation of operating procedures, pressure allowables and restrictions. Proceeded to serve as Terminal Foreman and Supervisor of Area Operations at Edmonton, AB Terminal where duties included the supervision of approximately 25 staff including, operations shift workers, mechanical, electrical and laboratory personnel.

Key Experience

Manager, Pipeline Control (1996 – 1999)

- Duties included the supervision of approximately 30 staff engaged in the remote operation of the Enbridge pipeline system.
- Successfully integrated the remote operation of the Norman Wells Pipeline and Line 14 (Superior, WI to Mokena, IL) and laid the framework to allow the system wide consolidation of Mainline and Terminal operations, within the Edmonton Control Centre.
- Completed temporary assignments as Manager, Terrace Operations and with ETI on Suncor's North Tank Farm Modernization Project.

Manager, Athabasca Pipeline (1999 – 2002)

- Managed all aspects of Enbridge's first contract carriage liquid pipeline, including the successful integration of operations from Suncor.
- Successfully negotiated contracts including facility requirements with Petro-Canada, Encana and with Suncor for additional crude oil movements.

Manager, Oil Loss Investigations (2002 – 2003)

- Completed an all encompassing review of the entire Enbridge common carrier pipeline system in response to significant financial exposure to physical losses, degradation and revaluation expenses.
- Successfully implemented procedures within various departments including Operations, Shipper Services and Oil Accounting to control financial exposure.



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Manager, Petroleum Quality and Measurement (2003 – 2005)

- Responsibilities included all aspects of product quality and measurement throughout the Enbridge liquid pipeline system, including the supervision of approximately 12 professional staff.
- Successfully implemented quality and measurement related policies and procedures for crude oil movements on new and acquired systems including the Hardisty Caverns, Spearhead and Cushing Pipeline Systems.
- Played a key role within 2005 Incentive Tolling negotiations concerning crude oil quality and held responsibilities for measurement and accounting requirements related to SOx compliance.

Key Achievements

- Represented Enbridge as “Northern Business Coordinator” in the development and award of contracts to ensure financial commitments to northern businesses were successfully achieved on the Norman Wells Pipeline.
- Represented the Oil Movements Department and particularly the Control Centre staff in the redevelopment of Enbridge’s SCADA system. This system incorporated numerous significant enhancements to the operators’ HMI and remains virtually intact, since completed approximately 20 years ago.
- Coordinated the modernization of measurement facilities at Edmonton Terminal and successfully interfaced with the affected shippers and feeder pipelines.
- Supervised the development and implementation of the Edmonton Control Centre on-line operating standards and procedures, including emergency response procedures.
- Successfully negotiated various projects and initiatives with shipper and CAPP representatives including the Line 7 & 11 reconfiguration, Terrace Expansion, Line 14 operations, additional facilities and volumes for the Athabasca pipeline, Hardisty Caverns and Incentive Tolling negotiations related to quality metrics.
- Developed and implemented the Rules & Regulations for the Athabasca Pipeline which was the first contract carriage pipeline within the Enbridge system.
- Successfully negotiated facility requirements with shippers on the Athabasca Pipeline for the Mackay Pipeline, Enbridge’s first hot oil pipeline, Kirby Terminal, Athabasca Truck Terminal and integrated these operations and additional crude oil volumes.
- Undertook numerous initiatives including implementation of the “CutPoint Calculator” system to limit degradation volumes, designed equipment and established a crude oil butane blending monitoring program as well as implemented other operational and accounting procedures that successfully limited financial exposure to oil loss expenses.
- Served as a long standing member of Enbridge’s Pipeline Control Committee, Oil Measurement Committee, and the Strategic Mergers and Acquisitions Team.

Professional Qualifications

Bachelor of Science in Civil Engineering; University of Alberta

Professional Engineer: Alberta Association of Professional Engineers, Geologists and Geophysicists