

TMX – Anchor Loop Project Mount Robson Spread Hydrotest

Information from Kinder Morgan Canada

Hydrostatic Testing— who, what, when, where, why and how

Kinder Morgan Canada will conduct a hydrostatic—water pressure—test of its newly constructed Trans Mountain pipeline loop (the Robson Spread) beginning the week of September 8, 2008 and finishing by the end of October 2008. This informational brochure is designed to explain our testing procedure, and to answer questions you may have regarding public safety during the test.

WHO operates this pipeline?

Kinder Morgan Canada operates the Trans Mountain pipeline system, which transports crude oil and refined products from Alberta and northeastern British Columbia through some of the most rugged terrain in the world to the West Coast. In operation since 1953, our company has been a leader and innovator in the transportation of crude oil and petroleum products for over 50 years.



Right-of-Way, Jasper, Alberta

WHAT is a hydrostatic test?

A hydrostatic test occurs when a section of pipe is filled with water. The water is pumped up to a pressure higher than the normal operating pressure and then held at that higher pressure for a period of time to test the strength of the pipe.

WHAT is the purpose of a hydrostatic test?

To detect any abnormalities that may exist in the pipeline. If defects exist, hydrostatic testing will cause a leak to occur with water in the pipeline instead of during normal operations when petroleum runs through the pipeline. Hydrostatic testing serves as a confirmation of the ability of the pipeline to operate safely and establishes the maximum Licensed Operating Pressure which is filed with the National Energy Board.

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WHEN will the hydrostatic test occur?

Kinder Morgan Canada will conduct hydrostatic testing between September 8, 2008 and the end of October 2008.

Testing is anticipated to take approximately one week per section (see map below).

Pre-test, test, and post-test activities will be conducted. Although the work activities will not be of a continuous nature 24-hours/day, seven days/week, activities will occur as needed during that time. Actual testing typically takes between eight to ten hours. Testing will be done in sequence (i.e., when one section is pressured up, the crew will be working on getting the next section ready for testing).

WHERE is the hydrostatic test scheduled to occur?

Through September and October 2008, Kinder Morgan Canada will conduct a hydrostatic test of its newly constructed Trans Mountain pipeline loop (the Robson Spread). The Robson Spread begins just west of the Mount Robson Visitor's Centre in the west and roughly follows Highway 16 east to approximately the BC/Alberta border. For test purposes, the Spread has been divided into five sections and each section will undergo a separate hydrostatic test.

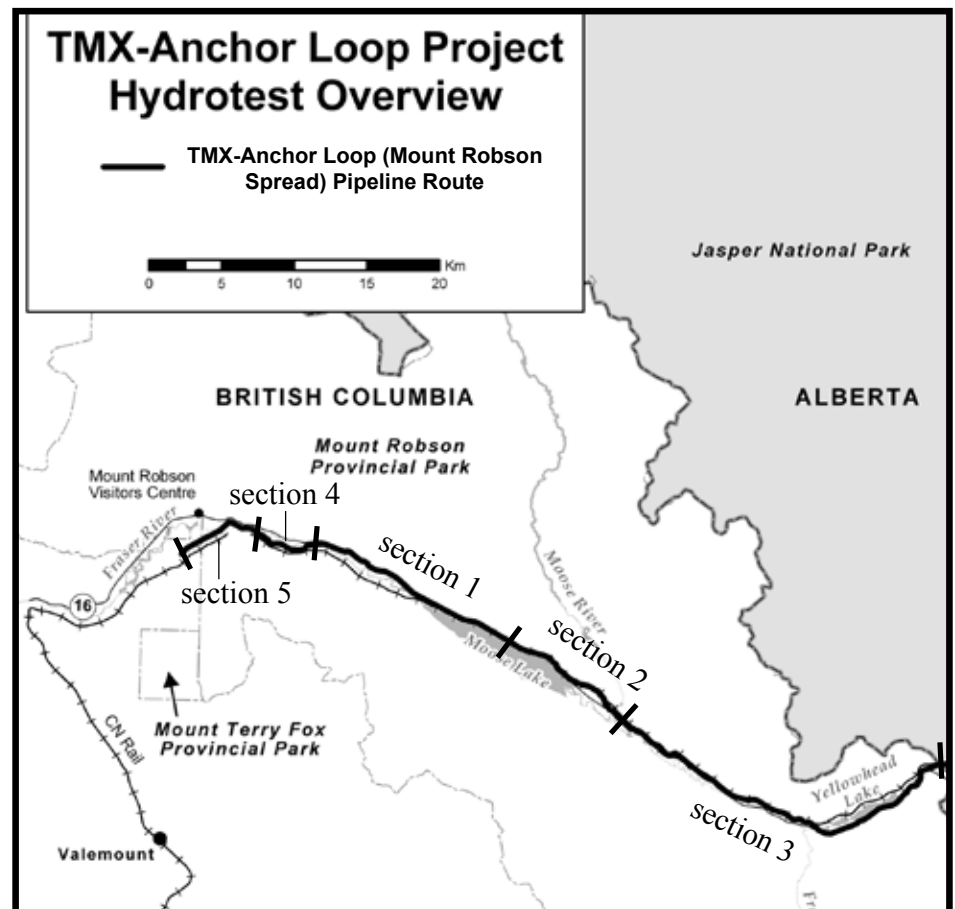
september

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october

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- Tests are anticipated to begin the week of September 8, 2008 and finish by the end of October 2008.
- Access to the right-of-way will be restricted during testing.



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Sections 1 and 2 will include equipment setup and testing between the Fraser River and the Moose River.

Section 3 will include testing between the Moose River and the Alberta/BC border.

Section 4 will include testing beginning at the Fraser River and ending about 2 km east of the Mount Robson Park Visitor’s Centre.

Section 5 will include testing 2 km east of the Mount Robson Visitor’s Centre to about 4.5 km west of the Visitor’s Centre.

WHERE does the water come from for the hydrostatic test? And where does the water go to?

As per Section 5.6 of the Environmental Protection Plan (EPP) and corresponding water permit, selected water sources will be the Athabasca River, Snaring River and Miette River.

Dewatering will conform to Section 5.6 of the EPP. Test water will not be discharged directly back to any watercourse and instead will be discharged as follows:

Test Section Group to be Dewatered	Dewatering Option	Dewatering Method and Site Description
Sections 1 + 2	Discharge into dewatering pit	Create pit within the ROW, any overflow will travel into well vegetated area off ROW
	Alternate - pump overflow off ROW	Using a 3” pump/hoses any excess flow will be discharged off the ROW into well vegetated area
Section 3	Discharge off ROW	Water discharge off ROW into well vegetated area
	Alternate - Pit	Dewater into pit dug in the subgrade on the ROW
Sections 4 + 5	Discharge off ROW	Water discharge off ROW into well vegetated area
	Alternate Site - Pit and/or off ROW	Dig pit on ROW or discharge directly off ROW into well vegetated area

WHY is Kinder Morgan Canada using hydrostatic testing?

Hydrostatic testing is performed to confirm the integrity of the pipeline and is a requirement of the pipeline Regulations and Codes to licence the pipeline at its official operating pressure.

Water is specified as the test medium due to its inherent safety; when water is released at high pressure, that pressure dissipates almost instantaneously. And in the event of a leak, water poses no threat to the environment.

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HOW would a leak in the pipeline impact the surface above it?

The release of the energy associated with the hydrostatic test pressure through a leak has the potential to displace some soil, rocks, and/or debris.

HOW will Kinder Morgan Canada protect people from the impact of a potential leak?

Kinder Morgan Canada will conduct a community and landowner notification program throughout the test areas before the hydrostatic test occurs, and signage will be placed at key locations along the right-of-way.

Access to the Kinder Morgan Canada right-of-way will be restricted during the period that the tests are underway. Extra signage in the area and patrols will be used to ensure that the public is guided to stay away from pipeline sections under test.

HOW will Kinder Morgan Canada know if a leak has occurred?

During the test, Kinder Morgan Canada will continuously monitor test pressure for indications the pressure is dropping due to a leak.

WHAT if a leak occurs in the pipeline?

In the unlikely event of a leak in the pipeline, Kinder Morgan Canada would take action to mitigate any problems caused by the release of water. In addition, Kinder Morgan Canada would take immediate action to correct the defect and the test would then be repeated.



Thank you

Kinder Morgan Canada is committed to ensuring the safety and integrity of its pipeline and the protection of the environment and the communities in which we operate.

For more information on Kinder Morgan Canada's TMX – Anchor Loop Mount Robson Spread Hydrotest, please contact Gary Babich, Asst. Construction Manager, collect at 780.931.6359.

For more information on the Anchor Loop project, please visit www.tmxproject.com.