

TMX – Anchor Loop Project Jasper Loop 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 Jasper Loop) beginning the week of February 25, 2008 and finishing by the end of March 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 of a pipeline section occurs when the section of pipe is filled with water. The water is pumped up to a pressure higher than 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 beginning the week of February 25, 2008 and finishing by the end of March 2008.

Week 1 testing will begin February 25, 2008.

Week 2 testing will begin March 3, 2008.

Week 3 testing will begin March 10, 2008.

Week 4 testing will begin March 17, 2008.

Pre-test, test, and post-test activities will be conducted during the week. Although the work activities will not be of a continuous nature 24-hours/day, seven days a week, activities will occur as needed during that time. Actual testing activities typically take between eight to ten hours. For example, in Week 1 there will be four separate sections of pipe that will undergo hydrostatic testing and this 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?

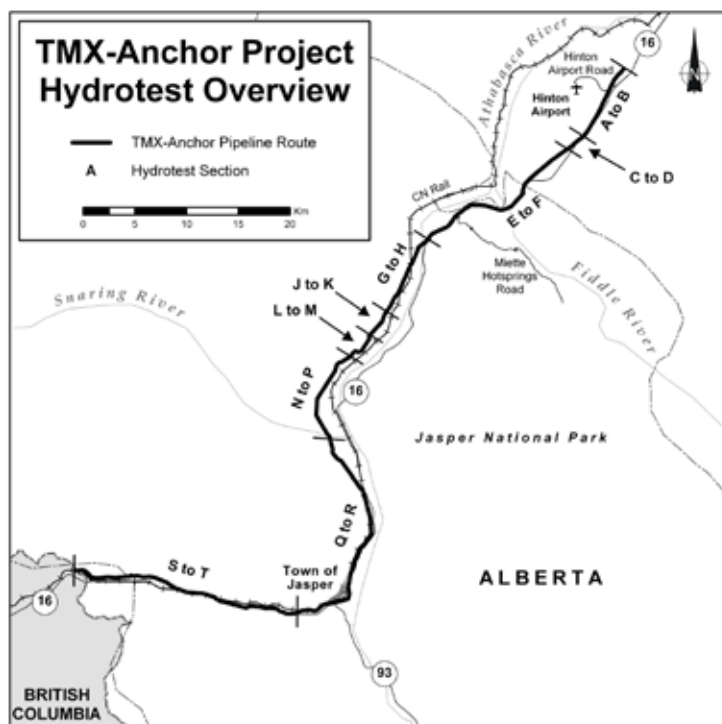
Over the course of the next four weeks, Kinder Morgan Canada will conduct a hydrostatic test of its newly constructed Trans Mountain pipeline loop (the Jasper Loop). For test purposes, the Jasper Loop has been divided into nine sections and each section will undergo a separate hydrostatic test.

As illustrated by the map below, week 1 testing will encompass four pipeline sections beginning 2.7 kilometres (km) east of Windy Point to approximately 4 km west of the Jasper town site—sections J to K, L to M, N to P and Q to R.

february						
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	

march						
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

- Tests will take place beginning the week of February 25, 2008 and finishing the week of March 24, 2008
- Restricted access to the right-of-way during testing



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

Week 2 testing will encompass three pipeline sections beginning 2.4 km east of the Jasper-Hinton Airport Road and ending near the Jasper House NHS viewpoint—sections A to B, C to D, and E to F.

Week 3 testing will encompass one pipeline section beginning at the Jasper House NHS viewpoint to 2.7 km east of Windy Point—section G to H.

Week 4 testing will encompass one pipeline section beginning approximately 4 km west of the Jasper town site to the Alberta/B.C. border—section S to T.

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 per the table below.

Weeks	Test Section	Dewatering Site Option	Site Description
1	J to K, L to M, N to P, Q to R	Primary	Create new pit
		Alternate	Dewater into diffuser pit
2 & 3	A to B, C to D, E to F, G to H	Primary	Existing pit
		Alternate	Create new pit
4	S to T	Primary	Create new pit
		Alternate	Create new pit

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.



Lowering pipe into ditch, Jasper, Alberta

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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 foot 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 Jasper Loop 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.