

THE RESPONDER

Canadian edition



Annual Newsletter to Emergency Responders

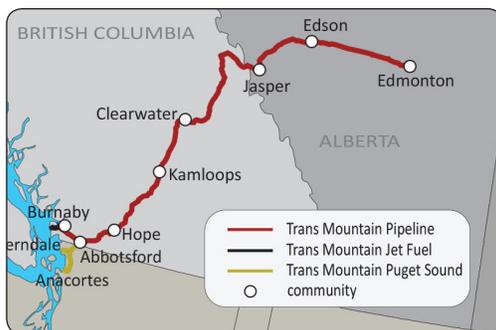
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About Kinder Morgan Canada

Kinder Morgan Canada is a leader in energy transportation. We operate the 1,150-km Trans Mountain pipeline, which transports crude oil and refined petroleum products from Edmonton, AB, to Burnaby, BC, and into Whatcom and Skagit Counties in Washington State. Our Trans Mountain Jet Fuel pipeline transports jet fuel from Burnaby to the Vancouver International Airport.



Enhancing our Emergency Management Program: 2016 Highlights

Over the past several years, Kinder Morgan Canada (KMC) has had a comprehensive Emergency Management Program (EMP) based on a combination of regulatory compliance, operational needs, industry best practices and lessons learned through regular exercises.

Each year, we conduct approximately 20 emergency response training sessions which include Incident Command System (ICS) tabletop and deployment exercises. As part of our ongoing operations, these exercises are used to test and practice our facility-specific Emergency Response Plans (ERPs). The exercises also provide us opportunity to collaborate, coordinate and practice our ERPs with agencies and first responders that would typically be involved in an incident to ensure the communities where we operate are prepared.

In May 2016, we conducted a Full Scale Emergency Response Exercise on the Nicola River in Merritt, BC, as part of the National Energy Board's (NEB) Emergency Management Program evaluation. The full-scale deployment exercise simulated product release and response on the Nicola River. No



Emergency response river deployment exercise on the Nicola River - Merritt, BC

oil or simulated product was released during the planned exercise. A tabletop exercise simulating an Incident Command Post was held simultaneously in Kamloops. This full-scale exercise demonstrated we have the technical capability and trained personnel to respond to an emergency which includes deploying equipment, the ability to communicate information to emergency agencies and the public during an incident and, complied with NEB regulations.

In October 2016, we conducted a tabletop exercise based out of the Whatcom Unified Emergency Coordination Centre in Bellingham, WA. The tabletop exercise provided our Incident Management Team with the opportunity to respond to a simulated release of product into the Sumas



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2016 Emergency Management Program Enhancements *(continued from page 1)*

River. External agency participants included representatives from the Environmental Protection Agency, Washington State Department of Ecology, Whatcom County Division of Emergency Management and National Response Corporation (NRC). Through this exercise, we effectively demonstrated the ability to establish a fully functional ICP and work collaboratively with external agencies for a coordinated response.



Tabletop exercise - Bellingham, WA

Emergency response equipment is an important component of our EMP. In 2016, two Winter Response Units and three Wildlife Response Units were added to our equipment inventory. The Winter Response

units are currently being deployed to Kamloops and Blue River; the Wildlife Response Units are being deployed to Abbotsford, Kamloops and Jasper. In addition, 2,700 feet of response boom was added to

our equipment inventory at the Edmonton Terminal.

In compliance with NEB requirements, we also developed an Emergency Management website, transmountain.com/emergency-management, with the objective of making more emergency management information accessible to the public (see additional details on page 3).

If you would like further information about our EMP or to find out how you can become involved, please contact Emergency_Management@kindermorgan.com.

What's Inside an OSCAR Trailer?

The most critical and responsible emergency preparedness strategy is to prevent a spill from occurring at all. However, in the case of an incident, KMC is prepared to respond quickly with detailed emergency procedures and trained professionals.

Emergency response equipment is available at all of our terminals and associated facilities. We stock each facility with absorbent materials, containment boom and oil skimmers to assist in immediate

cleanup in the unlikely event of an incident. Larger response equipment such as river boats and Oil Spill Containment and Recovery (OSCAR) trailers are also located at strategic locations along the pipeline route.

An OSCAR trailer contains spill response equipment and supplies that is maintained and can be mobilized to the site of an incident at a moments notice. Trailers vary in size to ensure that equipment can be mobilized to any spill control point. KMC's OSCAR units are greater than 30 feet in length and are equipped with:

- **Containment equipment** - boom and associated items to set up the boom including rope, anchors, chain, etc.
- **Recovery equipment** - any piece of equipment that can facilitate the recovery of oil and/or oiled material; this includes sorbents, hand tools (shovels,

rakes), skimmers and associated parts (generator, power packs).

- **Storage equipment** - any items that can be used to store oil, oily waste or other waste products such as garbage cans, containment pools, plastic bags, etc.

The OSCAR trailers also include a selection of Personal Protective Equipment (PPE) and safety equipment such as half face respirators, coveralls, gloves, safety glasses, personal floatation device (PFD), etc. flashlights, first-aid kits, fire retardant rainwear, chest and hip waders, mechanic tools, containers, fire extinguishers, windsock and other various items.

OSCAR trailers are currently located along the pipeline route in the communities of Stony Plain and Jasper in Alberta and Blue River, Kamloops, Hope, Abbotsford and Burnaby in BC.



Planning for the future: Geographical Response Plans

In order to meet regulatory requirements to accommodate the Trans Mountain Expansion Project (TMEP), KMC is building upon its existing Emergency Management Program with the implementation of Geographical Response Plans (GRPs).

GRPs provide detailed information to guide responders in the containment and recovery of spilled product should an incident occur. These special plans identify and describe high consequence areas including environmental sensitivities, natural and cultural resources, aquifers, and populated areas as outlined in NEB conditions.

A primary focus of the GRPs is to identify locations, called control points, where responders can intercept spilled product, set up containment and operate recovery equipment to remove product from the environment. Waterbodies such as lakes, rivers, streams or creeks may include several control points along its path where response equipment could be deployed. The identification of additional control point locations before the twinned pipeline is placed in service builds on KMC's existing response capacity and will accommodate the

complete system, including the existing and twinned pipelines.

We have initiated a field program to validate existing control point information, evaluate the suitability of new locations for possible control points and staging areas, and to gather local knowledge. A team comprised of TMEP specialists with background in spill response, emergency management, and environment, are in the process of visiting and assessing each proposed control point. Representatives from local Aboriginal communities, municipalities and other stakeholders such as BC Parks, are invited to accompany and assist the team in data collection and location assessment.

Information being collected and compiled in the GRP datasheets include:

- Identification of local, and/or culturally significant features such as traditional Aboriginal sites;
- Environmental characteristics, such as wildlife habitat and wetlands;

- Water body and shoreline information;
- Spill response operational and logistical site details, such as the GPS location, access details and potential site safety concerns; and
- Identification of spill response tactics and strategies.

The field work to populate the datasheets for the North Thompson and Kamloops districts was completed last summer, equating to approximately 50 per cent of the pipeline route. These completed datasheets will form part of the GRP and will enable us to respond quicker and more efficiently to mitigate potential impacts to sensitive areas downstream of a product release. The data sheets will also be filed with the NEB and submitted to the BC Ministry of Environment as part of the TMEP's conditions and commitments to the Government of BC.

For additional information about the GRPs or the development of the enhanced Emergency Management Program, please contact Emergency_Management@kindermorgan.com.

Now Online: Emergency Management Website

As part of our ongoing commitment to safety and emergency preparedness and to comply with the National Energy Board (NEB) regulatory requirements, KMC has developed an Emergency Management website with the objective of making information about our Emergency Management Program available to the public.

The KMC Emergency Management website was developed with the

main principle to provide sufficient information to allow readers to understand and become aware of our Emergency Management Program.

Spill detection and notification, community awareness and education, training and exercises, equipment and response times, marine spills, spill liability, are some of the topics identified on our website, which launched in September 2016. Additionally, a key component to our recently launched website is the availability

to access the KMC Emergency Response Plans (ERPs). The public will now have access to read our ERPs to become familiar with our plans and procedures that will be utilized during an incident.

To access our Emergency Management website, please visit: transmountain.com/emergency-management

Pipeline Safety during a Forest Fire

Fighting forest fires is a vitally important service that protects lives, property and the environment. At KMC, safety is our top priority. We would like to work with you to ensure the safety of your crews and the communities in which we operate in the event of a forest fire.

When responding to a forest fire, there are important safety considerations to be aware of:



Notify us when a forest fire is near our right-of-way infrastructure.

Our pipelines are typically located a few feet underground. However, we do have valves and pump stations that are located above ground. We ask that you notify us in the event that a forest fire is near our facility or if there is any risk of fire actively moving towards our right-of-way.

There are many actions we can take to protect your crews and our pipelines, such as burying above ground valves, or draining down the system. Community maps showing our current pipeline locations are available online at kindermorgan.com/pages/business/canada.

Notify us before moving heavy vehicles or mobile equipment across the pipeline right-of-way.

Our pipeline infrastructure and right-of-way must be treated with caution when crossed by wildfire fighting equipment and personnel outside of established roadways. Federal regulations require that you notify us prior to any heavy vehicles or mobile equipment crossing or travelling along our right-of-way so that we can ensure no excessive loading on the pipeline.

To notify us of a forest fire, please call Kinder Morgan Canada's Emergency Notification Line:

1.888.876.6711

Damage prevention is a shared responsibility. Please share this information with your crews.

At a Glance: Upcoming Exercises

May – Bellingham, WA (Tabletop)

June – Edmonton, AB (Fire deployment)

July – Hope, BC (River deployment)

If you would like to receive information on future exercises, please contact Emergency_Management@kindermorgan.com.



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