



# EMERGENCY MANAGEMENT PROGRAM PLANNING STANDARD

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Trans Mountain has an established Emergency Management Program (EMP) for the Trans Mountain Pipeline (TMPL) that encompasses regulatory requirements, operational needs, industry recommended practices and lessons learned through regular exercises and incidents. To accommodate the proposed Trans Mountain Expansion Project, Kinder Morgan Canada (KMC) is building on and enhancing the existing program to ensure an industry-leading EMP, of which the Planning Standard is a key component.

## Planning Standard

The Planning Standard establishes the desired emergency response outcomes. These outcomes form the basis for KMC's emergency response plans, processes and procedures.

The planning standard:

- Outlines the hazard assessment process, which includes a hazard listing (spill, fire, explosion)
- Defines maximum target response times to be used for response planning to warrant a prompt, safe and effective response to an emergency
- Specifies the quantity and location of response equipment and personnel needed to achieve maximum target response times

Maximum targets are based, in part, on a variety of regulatory requirements and real response times are reviewed after any event requiring activation of the Emergency Response Plan to confirm that KMC has adequate resources and equipment to meet the maximum target response times.

Current emergency response capabilities and equipment are strategically placed to meet the planning standard and include:

- Early detection systems/alarms and firefighting equipment for fires and spills (storage tanks and pump stations)
- Personnel and company vehicles to respond to spill and fires (terminal storage tanks, pump stations and right-of-way)
- Oil Spill Containment and Response units strategically placed to ensure rapid response along the right-of-way and at facilities

For the proposed Trans Mountain Expansion Project, KMC will be evaluating the staging locations of equipment and resources along the pipeline corridor to confirm selected locations continue to be able to meet maximum target response times and to add new locations and equipment as required.

## Oil Spill Containment and Recovery (OSCAR) Trailer

In addition to emergency response equipment at all Trans Mountain terminals and facilities, KMC has emergency resources such as riverboats and Oil Spill Containment and Recovery (OSCAR) trailers located at strategic locations along the pipeline corridor. OSCAR trailers contain various area-specific tools and spill response equipment ready for activation at a moment's notice. As part of the proposed Trans Mountain Expansion Project, the need and location of additional emergency resources will be evaluated to ensure they meet the Planning Standard.



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Equipment contained in each OSCAR trailer includes:

- Personal protection and safety equipment
- Containment boom, boom vanes, boom bridles/paravanes and boom ancillaries
- Oil skimmers and transfer pumps
- Marker buoys, anchors and valves/fittings
- Bales of sorbents, chain, shackles, hose
- Generators and work lights
- Other spill and emergency response-related equipment

OSCAR trailers are currently positioned at strategic locations along the pipeline in the communities of Gainford and Jasper in Alberta and Blue River, Kamloops, Hope, Abbotsford and Burnaby in British Columbia. By early 2016, five rapid response trailers and two wildfire response units will also be in place.



## Contact

If you would like more information about the Trans Mountain Emergency Management Program or if you or your organization would like to contribute to the consultation process, please contact:

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