



Edmonton Terminal



- The Trans Mountain Pipeline originates at Kinder Morgan Canada's Edmonton Terminal, located in Strathcona County (near Edmonton), Alberta
- The Edmonton Terminal is located in an area zoned for heavy industrial activity
- All operations at the terminal comply with the appropriate regulations, which include odour and noise regulations
- The terminal has 20 incoming feeder lines from throughout Alberta
- It currently contains 19 storage tanks with an overall volume of 390,000 m³ (2.5 million bbl). These tanks temporarily store both crude oil and refined products before they are sent to their delivery destination
- The first shipment of oil on the Trans Mountain Pipeline left the Edmonton Terminal on August 23, 1953
- Control Centre Operations (CCO) for the Trans Mountain Pipeline has been located at the Edmonton Terminal since 2000
- CCO remotely monitors all aspects of pipeline operations with a sophisticated Supervisory Control and Data Acquisition (SCADA) system

Edmonton Terminal and TMEP — Plan



As part of the Trans Mountain Expansion Project, the following work is planned at Kinder Morgan Canada's Edmonton Terminal:

- Four new tanks with connectivity to the new TMEP pipeline
- New manifold interconnectivity to connect existing Trans Mountain tanks at Edmonton Terminal to the new TMEP pipeline
- Enhanced fire protection systems
- New electrical substation to power the new TMEP infrastructure

Trans Mountain Control Centre Operations



- Control Centre Operations (CCO) for the Trans Mountain Pipeline are located at Kinder Morgan Canada's (KMC) Edmonton Terminal in Strathcona County
- CCO staff operate and monitor the pipeline and its facilities, including the Edmonton Terminal, 24/7, 365 days a year
- All operators undergo rigorous training and simulator testing to determine if they are qualified to hold this critical position. Until operators are fully qualified and have passed all testing, they may not operate unsupervised.
- Automated leak detection and containment systems are monitored continuously in the Control Centre
- Operators are trained to investigate and respond immediately when pipeline or facility conditions change unexpectedly
- In the event of a suspected spill or emergency, CCO staff will activate a safe pipeline shutdown, and close the automated valves both upstream and downstream of the spill site. The CCO will then immediately initiate the company emergency incident communication program to activate response personnel and notify regulatory agencies.

Trans Mountain Control Centre Operations



Incident Command System

- Kinder Morgan Canada (KMC) uses the Incident Command System (ICS) to manage incidents
- ICS clearly defines roles and responsibilities with respect to emergency response

Emergency Responders

- In addition to its emergency response training program for company personnel, KMC runs emergency response training sessions and deployment exercises for government agencies, contractors, First Nations and first responders
- In addition to its internal resources, KMC has contracts with third-party certified spill responders, consultants and oil spill co-operatives in various locations along the pipeline route
- Emergency response equipment is available at all pipeline facilities. In addition emergency resources such as Oil Spill Containment and Recovery (OSCAR) trailers and river boats are located at strategic locations along the Trans Mountain Pipeline and can be mobilized on short notice