



TRANSMOUNTAIN

Marine Progress Report

Fifth Edition

Spring 2023

Prepared by Trans Mountain in relation to the Expansion Project this semi-annual report provides progress updates on marine activities and key Marine Commitments and Conditions.

Trans Mountain is committed to providing updates on marine spill response enhancements, commitments, conditions and Indigenous participation. This information is based on data received up to March 31, 2023 and may be subject to revisions and corrections.

As described in Trans Mountain's Condition 91: Plan for Marine Spill Prevention and Response Commitments (filed January 2020), Western Canada Marine Response Corporation (WCMRC) will deliver an enhanced response regime to meet requirements of the Canada Energy Regulator (CER) Condition 133. WCMRC is on track to implement these enhancements that will double WCMRC's existing response capacity and significantly reduce response time. For more information on WCMRC's programs, email info@wcmrc.ca.



NEW WCMRC South Coast Response Bases



Nanaimo response base

NEW Vessels



Response Barges



Key Regulatory Milestones

Conditions set out by the CER and the BC Environmental Assessment Office (BC EAO):

NO.	NAME	DUE DATE	STATUS
91	Plan for Marine Spill Prevention and Response Commitments	Condition Filed	Complete
132	Marine Mammal Protection Program	3 months prior to in-service	Filed
133	Confirmation of marine spill prevention and response commitments	3 months prior to in-service	In progress
134	Updated Vessel Acceptance Standard and WMT Regulations and Operations Guide	3 months prior to in-service and annually for 5 years	Filed
144	Ongoing confirmation of marine spill prevention and response commitments	January after first year in-service and then annually	In progress
BC EAO 11	Indigenous Marine Outreach Program	3 months prior to in-service	In progress
BC EAO 38	Human Health Risk Report	August 24, 2023	In progress
BC EAO 39	Existing Shoreline Conditions Report	August 24, 2023	In progress

FULL-TIME Employment Opportunities

WCMRC

New Full-Time Positions **123**

Hired **123**

Remaining to Hire **0**

Of 91 Marine Commitments, 17 are for TERMPOL*:



Trans Mountain is also hiring at Westridge Marine Terminal (WMT): transmountain.com/careers

*For details, see Condition 6 Commitment Tracking Table filed with the CER (C21887) as of June 10, 2023. ** More details on TERMPOL can be found at: transmountain.com/TERMPOL.



Marine Community Engagement UPDATE

Trans Mountain engages with Indigenous and coastal communities along the shipping corridor in the Salish Sea to raise awareness of marine safety measures, build new relationships and share information on Project progress. Key highlights from the past six months include:

Indigenous Marine Outreach: Trans Mountain invited Indigenous groups to participate in the Pre-Consultation program for BC EAO Condition 11 – Marine Outreach Program to set the terms of reference for consulting on safe Indigenous traditional marine use and ongoing education and awareness in spill response preparedness planning and response. The mutually developed terms of reference allow Trans Mountain to tailor the engagement to the protocols of the communities.

Marine Conditions: This past reporting period Trans Mountain has been reviewing comments received and preparing engagement materials in keeping with outstanding Project conditions. This includes modelling, technical assessments and careful review and consideration of feedback received to date on the Human Health Risk Report (EAC 38). The Existing Shoreline Conditions Report (EAC 39) and Marine Outreach program (EAC 11) filings will also be topics of engagement this spring.

Marine Mammal Protection Program (MMPP): Trans Mountain filed the [MMPP ID A8L4C9](#) with the CER in late-March to support Condition 132. Prior to filing, Trans Mountain reviewed and integrated the comments received from Indigenous groups and the marine shipping community. The feedback helped us update the MMPP's resources, references and deepen the connection between traditional ecological knowledge and the program.

Westridge Marine Terminal (WMT): Trans Mountain continued to engage with the marine community and terminal neighbours about ongoing construction activities at WMT. We issued communication updates about the relocation of operations to Berth 1, the reconfiguration of the construction safety boom and the terminal's extended work hours. We addressed community noise concerns by issuing an update letter on the installation of the rock reef complex and a spring 2023 construction overview fact sheet.



Marine Environment Safety UPDATE

Engagement continues with marine regime stakeholders and shipping industry organizations, such as the port authority and marine pilots, on safe, efficient and environmentally responsible shipping. Key highlights from the past six months are outlined below:

Vessel Acceptance Standard (VAS)/Westridge Marine Terminal Regulations and Operations Guide (WMTROG): Trans Mountain worked with Project shippers to confirm the enhanced VAS and WMTROG which address marine shipping-related conditions and commitments regarding vessel acceptance and loading at the expanded Westridge Marine Terminal. Copies were filed with the CER in keeping with Condition 134; updates will be filed each January for the first five years after commencing operations. [VAS filing ID A8L2E5](#) and [WMTROG filing ID A8L2E6](#).

Active Vessel Traffic Management (AVTM): Trans Mountain continued to attend industry workshops hosted by the Vancouver Fraser Port Authority (VFPA) focused on improving efficient and safe movement of traffic through the Second Narrows Traffic Control Zone (TCZ-2). The VFPA proposed a number of actions over the short, medium and long term to which industry is engaged and providing feedback. A Centralized Scheduling System for TCZ-2 is expected to be implemented by the VFPA later in 2023. More information is available at portvancouver.com/avtm.

Industry Engagement: Trans Mountain remains an engaged member of the marine shipping community and continued to build relationships and prepare the marine regime for TMEP to come into service. Attendance at regional forums and events continue to provide insights and opportunities for Trans Mountain to share Project information but also learn about new best practices, changes to marine policy and to engage with stakeholders about their interests and concerns. Trans Mountain hosted a worst-case emergency exercise in Ferndale, WA for the Puget Sound pipeline in early March 2023, which provided a great opportunity to exercise with federal and state authorities and community stakeholders in Washington.

Upcoming engagement will be on key topics that include:

- Westridge Marine Terminal – Relocation of operations to the new Berth 1
- BC EAO Condition 11 (Support for safe Indigenous traditional marine use and spill response education and awareness)
- BC EAO Condition 38 (Human Health Risk Report for hypothetical worst case spill in English Bay)
- BC EAO Condition 39 (Existing Shoreline Condition Report)

Marine Mammal Protection Program UPDATE



The Trans Mountain pipeline system delivers crude oil for marine transportation to Trans Mountain's Westridge Marine Terminal (WMT) in the Port of Vancouver. Many commercial vessels transit the Salish Sea to access the Port of Vancouver and other ports in the area.

The Salish Sea region is inhabited by several species of marine mammals, including the southern resident killer whale (SRKW). The SRKW are listed as Endangered on Canada's Species at Risk Act (SARA) Schedule 1. Trans Mountain continues to express its desire and intention to protect the environment, including support for the protection of marine mammals.

To do so and comply with Canada Energy Regulator (CER) Condition 132, Trans Mountain developed a Marine Mammal Protection Program (MMPP) – a broad-based, approach to protecting the marine environment in the Salish Sea, in collaboration with industry participants, government and Indigenous communities in the region.

The MMPP includes an update on the initiatives Trans Mountain has supported to-date, including investments in the ECHO Program; participation in the Green Marine Program; and continued engagement with Trans Mountain marine stakeholders.

Once reviewed and accepted by the CER, the MMPP will be incorporated within Trans Mountain's Integrated Safety and Loss Management System to align with other Trans Mountain programs designed to maintain a strong and vital safety culture. In this way, marine mammal protection will always be part of Trans Mountain's operations as a responsible terminal operator, and enable it to continue support for development of new shipping industry best practices.

The MMPP is available on the CER website at [filing ID A8L4C9](#).



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