



TRANSMOUNTAIN

Marine Progress Report

Spring 2021

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, 2021 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



Port Alberni Response Base

NEW Vessels



Key Regulatory Milestones

Conditions set out by the CER and the BC EAO:

| NO. | NAME | DUE DATE | STATUS |
|-----------|--|--|-------------|
| 6 | Compliance with Commitments | Updated monthly | In progress |
| 91 | Plan for Marine Spill Prevention and Response Commitments | Complete | Complete |
| 132 | Marine Mammal Protection Program | 3 months prior to in-service | In progress |
| 133 | Confirmation of marine spill prevention and response commitments | 3 months prior to in-service | In progress |
| 134 | Updated Vessel Acceptance Standard and WMTROG | 3 months prior to in-service | In progress |
| 144 | Ongoing confirmation of marine spill prevention and response commitments | 3 months prior to in-service and annually thereafter | In progress |
| BC EAO 11 | Indigenous Marine Outreach Program | 3 months prior to in-service | In progress |

Of 91 Marine Commitments*, 17 are for TERMPOL:



FULL-TIME Employment Opportunities

WCMRC

New Full-Time Positions **135**

Hired **85**

Remaining to Hire **50**

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 (C11818) on Friday, March 5, 2021.



Indigenous Engagement UPDATE

Trans Mountain has engaged directly with Indigenous groups along the shipping corridor in the Salish Sea since the Project was initiated in 2012.

With the challenges of COVID-19, engagement has continued where possible in a virtual format. Consultation and engagement focused on marine issues of interest to coastal Indigenous communities and Trans Mountain facilitated opportunities to engage with representatives of Canada's marine regime in the form of marine Indigenous workshops in 2019 and 2020. Tours of Westridge Marine Terminal, WCMRC response vessels and Vancouver Harbour have also been provided since 2012 and will resume once safe to do so.



Marine Community Engagement UPDATE

Trans Mountain engages with coastal communities located within the Port of Vancouver and on Vancouver Island and the Gulf Islands to raise awareness of marine safety measures, build new relationships and share information

on Project progress. Engagement has been through meetings, workshops, attendance at local and regional conferences, information sessions and tours of vessels and of WMT.

Trans Mountain also engages with marine regime stakeholders responsible for safe management of commercial waterways, as well as shipping industry organizations, to inform our marine shipping-related standards, contribute to regional industry initiatives and keep track of new developments in shipping safety and environmental best practices.



Marine Environment Safety UPDATE

Trans Mountain does not own or operate vessels, but has taken an active interest in the standards of vessel operations and means to reduce risk to safety and the environment. Since 2005, Trans Mountain has engaged in

marine regime initiatives to improve the safety and efficiency of vessels that transit the Salish Sea, and has defined vessel acceptance standards for all vessels calling at WMT.

Since 2005, engagement continues with marine regime stakeholders such as Transport Canada, the Canadian Coast Guard, Pacific Pilotage Authority, Vancouver Fraser Port Authority (VFPA) and the BC Coast Pilots. Trans Mountain works with the regime on mitigations for potential effects of increased marine traffic associated with the Project and to keep track of new developments in shipping safety and environmental best practices.

To inform our marine shipping-related standards and procedures, and to contribute to regional industry initiatives, Trans Mountain has engaged with a variety of marine organizations, which include but are not limited to: Western Marine Community Coalition (WMCC), Pacific Coast Marine Advisory Review Panel (PACMAR), Puget Sound Harbor Safety Committee, Green Marine, Canadian Marine Advisory Council (CMAC) – Pacific and VFPA's Enhancing Cetacean Habitat and Observation (ECHO) program for the protection and conservation of marine mammals.



Upcoming engagement will be on key topics that include:

- CER Condition 133 a (Enhanced Tug Escort)
- CER Condition 133 b (Enhanced Response Regime)
- CER Condition 132 (Marine Mammal Protection Program)
- Westridge Marine Terminal – Marine Safety Perimeter
- BC EAO Condition 11 (Support for safe Indigenous traditional marine use and ongoing Indigenous education and planning)

Themes of Engagement

Trans Mountain will continue to share information and engage in dialogue with coastal communities and marine regime stakeholders of the Salish Sea.

Marine engagement is informed by previous engagement activities, as well as the requirements of regulatory conditions and commitments across four themes:

1. Marine Spill Prevention:

Enhanced tug escort and extended pilotage of laden outbound vessels, other measures to enhance maritime situational awareness and Trans Mountain Vessel Acceptance Standard and terminal operations.

2. Marine Spill Response:

Measures to improve recovery of spill product, through increased response capacity and reduced response times with WCMRC enhanced oil spill response regime, diluted bitumen research and geographic response strategies.

3. Marine Mammal Protection:

Incorporation of shipping industry best practices into WMT Vessel Acceptance Standard and terminal operating procedures, third-party initiatives to enhance availability of prey and minimizing the effects of ocean pollution, vessel strike and underwater noise.

4. Westridge Marine Terminal Operations:

Terminal improvements, safety reviews, staff and contractor training and marine environmental stewardship. Completion of Westridge Emergency Response Exercise (April 2021) in compliance with regulatory requirements.



Juan de Fuca Salmon Restoration Society

On southern Vancouver Island, Trans Mountain has contributed \$25,000 over the last five years to the volunteer-run Juan de Fuca Salmon Restoration Society, which maintains a salmon interpretive centre and demonstration hatchery on the Charters River near the community of Sooke.

Each year the society's education program helps thousands of visitors, including young students, understand the salmon life cycle, particularly in autumn when chinook salmon leave the ocean and migrate up the river on their spawning run.

The Interpretive Centre includes a hatchery and a spawning channel.

Learn more about what this society does: salmonforsooke.ca

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