

Trans Mountain Expansion Project

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**To: Patrick Coates, Senior Planner, Vancouver Fraser Port Authority**

**From: Colin Carlsen Lead, Regulatory and Compliance, Trans Mountain Expansion Project**

**Re: Permit No. 15-322 Condition 31 - PER Submission TR.14, Addendum to Westridge Marine Terminal Environmental Protection Plan**

In response to the Condition 31 of the Vancouver Fraser Port Authority (VFPA) Project Permit No. 15-322, Trans Mountain has created the table below which names each of the Plans associated with the Westridge Marine Terminal (WMT) Environmental Protection Plan (EPP). This table should be considered an addition to the information detailed in the National Energy Board Condition 81 Environmental Protection Plan for the Westridge Marine Terminal.

In addition, TMEP will monitor for bird interactions with razor wire associated with the marine construction safety boom and will report all observed interactions to the Activity Inspector and/or the Environmental Inspector.

Environmental Plan	Objectives or Mitigation Linked to the WMT EPP	Linkage to this Plan
Project Organizational Structure (Volume 6, Section 1.1 of the Environmental Plans) (NEB Condition 88)	The Project Organizational Structure provides a series of diagrams that reflect roles and responsibilities of Project personnel.	Includes the organizational structure for the construction of the WMT.
Socio-Economic Effects Monitoring Plan (SEEMP) (Volume 6, Section 2.3 of the Environmental Plans) (NEB Condition 13)	The purpose of the SEEMP is to monitor adverse socio-economic effects of the project during construction.	The SEEMP includes factors or indicators to be monitored during construction of the WMT.
Heritage Resources Plan (Volume 6, Section 2.4 of the Environmental Plans) (NEB Condition 100)	The Heritage Resource Plan includes Trans Mountain's, management and mitigation of impacts to archaeological/heritage sites or resources. This includes the incorporation of Aboriginal groups input regarding site-specific management; how Trans Mountain will assist Aboriginal monitors in recognizing and identifying archaeological/heritage values; how Trans Mountain will address potential disturbance of archaeological/heritage sites or resources during construction; and how Trans Mountain will manage chance finds of archaeological/heritage sites or	The Plan includes mitigation measure to be implemented in the event a heritage resource is discovered.

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	resources during construction.	
Worker Accommodation Strategy (Volume 6, Section 2.7 of the Environmental Plans) (NEB Condition 59)	The purpose of the Worker Accommodation Strategy is to provide a final summary of all the accommodations, including the location of any temporary work camps. In the event temporary work camps are used, a description of how the potential environmental and socio-economic impacts have been assessed and a description of additional mitigation measures will be provided.	The Worker Accommodation Strategy includes measures to protect workers.
Waste Management Plan (Volume 6, Section 3.1 of the Environmental Plans) (NEB Condition 72, 78 and 81)	The objective of the Waste Management Plan (WMP) provides measures that will be considered and/or implemented for waste practices encountered by the Project. This Plan will serve as a resource for contractors and Environmental Inspectors to use in planning their activities.	The WMP includes measures for managing and disposal of waste.
Contamination Identification and Assessment Plan (Volume 6, Section 3.2 of the Environmental Plans) (NEB Condition 46)	This Plan demonstrates Trans Mountain's commitment to appropriately manage and mitigate potential risk from exposure to pre-existing contamination in soil and/or water that could be disturbed by, or affect the Project. The Plan outlines the identification and assessment of pre-existing areas of potential contamination within the Project Footprint and incorporates an update to the preliminary inventory of potentially contaminated sites	The Plan includes mitigation measure to be implemented in the event contamination is discovered at WMT.
Hydrovac Cutting and Disposal Management Plan (Volume 6, Section 3.3 of the Environmental Plans) (NEB Condition 72, 78 and 81)	The Hydrovac Cutting and Disposal Management Plan outlines the measures to avoid or reduce potential adverse environmental effects due to the handling, storage or disposal of hydrovac slurry.	The Hydrovac Cutting and Disposal Management Plan discusses mitigation measures associated with disposal of hydrovac slurry waste.
Weed and Vegetation Management Plan (Volume 6, Section 5.5 of the Environmental Plans) (NEB Condition 45)	The Weed and Vegetation Management Plan (WVMP) outlines measures for the management of invasive plant species that may be encountered within the Project Footprint. The WVMP is focused on management of Noxious and Proposed Prohibited Noxious weeds.	The WVMP includes measures to address invasive weed species found at WMT.
Wildlife Conflict Management Plan (Volume 6, Section 6.5 of the Environmental Plans) (NEB Condition 72, 78 and 81)	The Wildlife Conflict Management Plan provides direction to Project personnel to implement measures to avoid or reduce wildlife conflicts during construction of the Project.	The Wildlife Conflict Management Plan includes measures for managing potential wildlife attractants.
Navigation and Navigation Safety Plan (Volume 6, Section 8.5 of the Environmental Plans) (NEB Condition 48)	The Plan provides an updated list of navigable and potentially navigable waterways that may be affected by the	Addresses navigation at the WMT.

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	Project, including the WMT. The Plan also provides assessment outcomes and mitigation measures to address Project effects on navigation and navigation safety.	
Water Withdrawal and Discharge Procedure Management Plan (Volume 6, Section 8.6 of the Environmental Plans) (NEB Condition 72, 78 and 81)	The Water Withdrawal and Discharge Procedure Management Plan (WWDPMP) describes how to conduct water withdrawal and discharge in such a manner to maintain water quality, avoid soil erosion and reduce or avoid adverse effects on aquatic resources and habitat, terrestrial and marine wildlife, recreational land use, downstream water users and marine water users in accordance with applicable approvals and permit conditions.	The WWDPMP includes measures to withdraw water while maintaining water quality.
Reclamation Management Plan (Volume 6, Section 9.1 of the Environmental Plans) (NEB Condition 72 and 78)	The Reclamation Management Plan contains the general reclamation measures to be implemented on the Project. The primary objective is to promote the re-establishment of natural ecosystems that are compositionally and functionally similar to pre-disturbance conditions.	General reclamation measures to apply at WMT.
Noise Management Plan for Construction at Pump Stations and Terminals (Volume 6, Section 10.2 of the Environmental Plans)	The Noise Management Plan provides noise controls and practices to minimize any adverse effects to the surrounding environment, including communities and nearby residents during construction activities. Noise monitoring plans and communication plans are also provided.	The Plan includes measures to address and reduce the effects of construction noise at WMT.
Air Emissions Management Plan for the Westridge Marine Terminal (Volume 6, Section 10.3 of the Environmental Plans) (NEB Condition 52)	The objectives of the Air Emissions Management Plan (AEMP) are to provide an ambient air quality monitoring plan and to provide mitigation measures for managing PM emissions during construction and operations at WMT.	The Plan includes measures to address air quality issues at WMT.
Fugitive Emissions Management Plan for the Westridge Marine Terminal (Volume 6, Section 10.6 of the Environmental Plans) (NEB Condition 53)	The objective of the Fugitive Emissions Management Plan (FEMP) is to identify and communicate mitigation measures to minimize fugitive emissions during construction and operations at WMT. Fugitive emissions tracking, verification, quantification and reporting procedures are also provided.	The Plan includes measures to address and reduce fugitive emissions at WMT.
Compliance Management Plan (Volume 10 of the Environmental Plans)	The objectives of CMP are to develop and implement tools and processes to track, monitor and fulfill compliance requirements; provide guidance to Contractors implementing requirements	The Plan ensures compliance during construction at WMT.

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	and interface with Construction Monitoring and Inspection (CMI) teams as they ensure compliance during construction of the Project.	