

INDIGENOUS MONITOR OVERVIEW REPORT

Month: June 2021

Indigenous Monitor days on-site: 26

Project Region: Edmonton (Spread 1)

Kilometer Posts (KPs) monitored: 1–48

Indigenous Monitors on the Trans Mountain Expansion Project – Overview

The Trans Mountain Expansion Project (the Project or TMEP) has retained Indigenous Monitors as integrated members of its construction Environmental Inspection team. Indigenous Monitors work with Environmental Inspectors to monitor compliance with mitigation measures to minimize impacts to traditional resource use and cultural/heritage sites during construction. Indigenous Monitors have a strategic role in providing traditional knowledge directly and pragmatically to construction oversight practices and bring an Indigenous lens to daily environmental inspection activities.

This Overview Report provides highlights of the Indigenous Monitors' day-to-day work and key mitigation measures observed by the Monitors related to Project construction in the Edmonton Region. The purpose of this report is to provide an update on Indigenous Monitor activity to Indigenous groups.

During this reporting period, key Project activities in the Edmonton Region involving Indigenous Monitors were focused around KP 1–48 and included sediment control, Traditional Land Use (TLU) and Heritage Resource training, monitoring environmental features, spill prevention and Edmonton Terminal inspection. The Project Construction Progress Report (Condition 106) for June 2021, which reports environmental events and deficiencies in Tables 4 and 5 respectively, is found [here](#).

The Project has a process for sharing information related to potential TLU and Heritage Resource chance finds during construction. The [Protecting TLU and Cultural Heritage Resources Fact Sheet \(link here\)](#) provides an overview of the chance find communication process. Applicable Indigenous groups are notified and engaged directly on potential chance finds.

For more information: email info@transmountain.com or call 1.866.514.6700.

Trans Mountain COVID-19 – Our Response

Trans Mountain is actively monitoring the COVID-19 situation with the help of federal, provincial and local agencies. Trans Mountain's top priority remains the health and safety of its workforce, their families and our communities.

For more information: transmountain.com/covid19

TLU and Heritage Resources Training

In June, Indigenous Monitors from each region of the Expansion Project participated in a two-hour online refresher training session focused on TMEP's TLU and Heritage Resources Contingency Plans, processes and communications.

The training sessions were regionally focused to incorporate common TLU and heritage resource types in the various Project regions (Alberta, BC Interior and the Lower Mainland), and participants were encouraged to share their experiences and perspectives. Sharing of Indigenous Monitor stories and experiences would highlight the resources for the team to be looking for on the landscape as construction progresses.



Sediment Control

Erosion and sediment control (ESC) measures installed to mitigate sediment transport from construction sites to downstream areas and wetlands were monitored near KP 43.

On-site ESC mitigations may include sediment fences, swales, wattles, rock armouring, erosion control blankets and hydroseeding, as well as water drainage control measures.

Key areas where ESC measures are required include soil excavations, exposed slopes, soil stockpiles and locations near watercourses.

Indigenous Monitors inspected sediment mitigations, including wing walls and silt fencing. No sediment transport and issues were identified for the construction and ESC in the area.



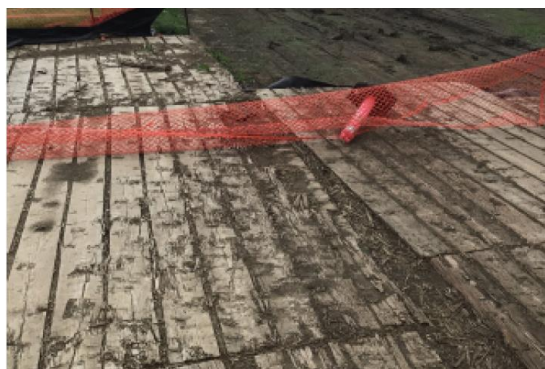
At KP 43. Monitoring sediment controls near wetland. Confirmed no sediment is crossing wing wall.

Environmentally Sensitive Feature Site

Environmental features such as rare plants and rare ecological communities, wildlife species of concern, archaeological features, TLU sites and any other sensitive environmental or cultural features that occur on or adjacent to the construction footprint are staked, flagged and sometimes fenced prior to commencing construction. The features are clearly marked so they can be protected and/or avoided during construction activities.

The Indigenous Monitors inspected environmentally sensitive areas and TLU sites including habitation sites, ceremonial sites and plant harvesting sites to ensure the flagging/staking remains in place and that appropriate mitigations are being followed, such as clearly marking all identified areas and buffer zones are the correct distances.

Fallen fencing was identified near KP 41 and was reported and rectified by the Environmental Inspector, Indigenous Monitor and contractor. No further action was required.



Fallen fencing near an environmentally sensitive feature site, reported and addressed by Environment and Construction team.

Spill Prevention

Under Trans Mountains spill prevention plan, the General Construction Contractor on-site will follow refueling procedures to mitigate fuel and oil spills that could occur during construction activities.

Near KP 40, the Indigenous Monitors observed heavy equipment executing proper methodology at the fueling station. The operator checked for hydraulic leaks and used drip trays and spill pads during the fueling process.

The Indigenous Monitors inspected construction activities such as de-watering and right-of-way cleanup for proper spill prevention methods.

Near KP 43, Indigenous Monitors confirmed water pumps were equipped with secondary containment. Alternatively, all machinery must be equipped with a spill kit in the event of a spill.



Secondary containment of fuel tank and water pump.

Edmonton Terminal Inspection

To accommodate the increased capacity of the pipeline system, Trans Mountain is adding new storage tanks at existing terminals. All additions will take place within the existing footprint of the terminals. All tanks are constructed in accordance with API Standard 650 – Welded Tanks for Oil Storage.

The Edmonton Terminal expansion is adding four new storage tanks, taking the total number to 39. The additional tanks will add approximately 1,315,000 bbl of capacity to the facility, bringing the total to 9.25 million barrels.

Strategies for avoiding or reducing potential environmental impacts are employed at all stages of construction by following the Environmental Protection Plans. The goal is to protect the environment, have as little impact as possible and ensure the land is returned to a similar function.

A joint inspection was conducted by the Environmental Inspector and Indigenous Monitor at the Edmonton Terminal. Waste management was inspected as well as secondary containment for equipment and fuel storage. Spill kits and spill response procedures were reviewed with no concerns identified.



Housekeeping activities monitored including proper recycling of materials and waste disposal.



Drip trays used under equipment for spill prevention.

Indigenous Monitor Request Dashboard

Indigenous Monitors are provided with daily on-site field support from Environmental Inspectors and office support from Indigenous Monitor Coordinators. Indigenous Monitors can also make specific support requests or submit questions through their daily report. Examples include but are not limited to: request for Project reports, input from an environmental resource specialist or on-site support from an Elder or other cultural knowledge holder. Monthly requests and their completion status are noted below.

Status	Rolling Total and Type of Requests				
	Project Reports/Documents	Environmental Resource Specialists	Elder/Cultural Knowledge Holder	Other	Total
Total	0	0	0	0	0
Fulfilled	-	-	-	-	-
Outstanding	-	-	-	-	-

This report has been reviewed by the active Indigenous Monitor(s)

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