

INDIGENOUS MONITOR OVERVIEW REPORT

Month: May 2021

Indigenous Monitor days on-site: 21

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) 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 initiating the Heritage Resource chance find procedure, monitoring environmental features, Edmonton Terminal inspection and sound barrier wall removal. The Project Construction Progress Report (Condition 106) for May 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. Measures being undertaken at construction sites include: temperature screening; following physical distancing guidelines, staggering work shifts and breaks; eliminating or minimizing in-person meetings; enhancing cleaning and sanitizing; and ensuring workers' orientation includes COVID 19 expectations, awareness and prevention.

For more information: transmountain.com/covid19

Heritage Resource Site Chance Find

Resource-Specific Mitigation Tables and Environmental Alignment Sheets are used to identify locations of and summarize specified mitigation for previously identified historical resources and traditional land use (TLU) areas. Such locations have been identified via traditional land use studies conducted by Indigenous groups and archaeology baseline assessments that have been conducted in relation to the Project for over seven years.

The Indigenous Monitor (IM) participated in the implementation of the Heritage Resource Site Discovery Contingency Plan on Spread 1, during hydro-vac activities at shoe fly 38, where a potential bone was discovered by the IM and Environmental Inspector (EI). The site was buffered to allow for ongoing assessments with the Resource Specialist, IM and EI.

As part of the Contingency Plan, Trans Mountain initiated the communication process with Indigenous groups related to notification and engagement on potential Traditional Land Use and Heritage Resources chance finds.

The archaeologist determined the find was not an archaeological site. Flagging was removed.



Hydro-vac site of potential chance find.

Environmental 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. No concerns were identified by the Indigenous Monitors.



Signage and fencing in place near an environmentally sensitive feature site.

Noise Suppression, Safety

Sound walls, or noise barriers, are structures designed to buffer noise resulting from construction activity. Installing temporary sound walls is a measure to mitigate noise impacts to residents from construction projects.

Indigenous Monitors identified a positive safety observation while monitoring the removal of a sound wall including beams and concrete blocks when construction activities were completed in select locations near west Edmonton. The Indigenous Monitors completed a positive safety observation card and discussed their findings with the Lead EI on-site.

Other noise mitigations being implemented include maintaining noise suppressions on heavy equipment and scheduling construction activities to daytime hours.



Sound barrier wall removal near shoe fly 27, on Spread 1.

Edmonton Terminal Inspection

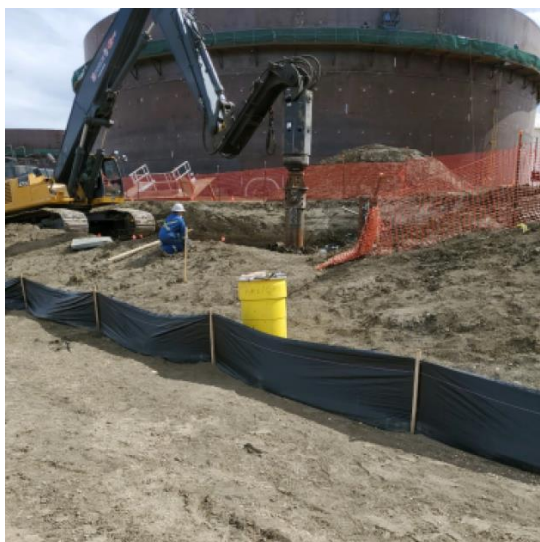
To accommodate the increased capacity of the pipeline system, Trans Mountain is adding new storage tanks at existing terminals. All additions will take place within the existing footprint of the terminals. All tanks are constructed in accordance with API Standard 650 - Welded Tanks for Oil Storage.

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.

During construction, the crews follow all applicable noise bylaws and the Trans Mountain Noise Management Plan, including the installation of a sound barrier to reduce construction-related noise.

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 EI and IM at the Edmonton Terminal. Waste management on-site was inspected and a cardboard bin was recommended for both sites. Secondary containment for equipment and fuel storage was used. Spill kits and spill response procedures were reviewed with no concerns identified.



Screw pile installation, confirmed spill kit on-site.



Monitoring the construction of a temporary berm at tank 10.



Housekeeping activities monitored near tanks 1 and 3.



Secondary containment in place for stationary equipment and fuel storage.

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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