

INDIGENOUS MONITOR OVERVIEW REPORT

Month: October 2022
Project Region: West Barriere
Reactivation 2

Indigenous Monitor days on-site: 25
Kilometre Posts (KPs) monitored:
KP 741–784

Indigenous Monitors on the Trans Mountain Expansion Project – Overview

The Trans Mountain Expansion Project (the Project or TMEP) is retaining Indigenous Monitors as integrated members of its construction Environmental Inspection team. Indigenous Monitors work with Environmental Inspectors to monitor compliance with approved mitigation measures to minimize impacts to traditional resource use and cultural/heritage sites during construction.

Operations and maintenance work, including integrity digs and sleeve replacements occurring along the deactivated pipeline segments in the West Barriere Region is not part of TMEP nor subject to TMEP Conditions. However, Trans Mountain will be including Indigenous Monitors during certain operations and maintenance work in reactivation areas as it relates to preparing for future TMEP construction activities.

This Overview Report provides highlights of the Indigenous Monitors' day-to-day work and key highlights observed by the Monitors in the Reactivation West Barriere Region (Darfield to Black Pines). The purpose of this report is to provide an update on Indigenous Monitor activity to Indigenous groups. Construction activities related to the Trans Mountain Expansion Project at Reactivation West Barriere Region are mechanically complete. During this reporting period, key activities in the Reactivation West Barriere Region involving Indigenous Monitors took place from KP 741 to KP 784 and included monitoring matting removal and cleanup, erosion and sediment control, backfill activities, spill prevention and the TMEP Line-Wide Indigenous Monitor Gathering. The Project Construction Progress Report (Condition 106) for October 2022, 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 Traditional Land Use (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.

Erosion and Sediment Control

Erosion and sediment control (ESC) measures are monitored and inspected to ensure they are functioning as intended to mitigate erosion and sediment transport from construction sites to downstream areas, including watercourses and the marine environment. On-site ESC mitigations include sediment fences, swales, wattles, straw, polyethylene sheeting, coco matting, hydroseeding, as well as water drainage control measures.

The Indigenous Monitors alongside the Environmental Inspector checked ESC measures along the right-of-way. Near Mitchell Road at KP 752, the Indigenous Monitors observed erosion and sediment control mitigations in good standing condition, including installation of straw wattles to prevent slope erosion and sediment traps to reduce runoff water and allow sediment to settle before it's discharged. Silt fencing, hoses and pumps were in good condition. No concerns were identified.



Wattles checked near KP 752.

Pipe Installation and Backfill

Pipe installation and backfill activities were completed near Whitewood Creek at KP 770. Once the pipeline is in place, select backfill may be used to bed and protect the pipe. Following this, subsoil and topsoil are replaced in the sequence in which they were removed.

Inspections were conducted for the excavated soil placed in the trench over the installed pipe. The Indigenous Monitors observed sand and subsoil being backfilled over the pipe prior to topsoil being replaced and ensure backfill activities are confined to the construction right-of-way. No issues or potential chance finds were identified.



Backfill completed near KP 770.

Site Housekeeping

The Indigenous Monitor conducted regular inspections at the Darfield laydown yard for general housekeeping measures. This included observing and documenting garbage and recycling disposal, scrap metal management, waste storage and fuel storage (secondary containment).

Spill kits were also inspected for volume and types of spill response material and to ensure the appropriate placement in relation to work fronts. Drip trays were also inspected under stationary equipment to make sure they were present when parked. No concerns were identified.



Spill kits labelled and inspected.

Black Pines Pump Station

As part of the Trans Mountain Expansion Project, 12 new pump stations are being added to the pipeline system, 11 for the new pipeline and one for the existing pipeline. Pump stations are critical components of the pipeline operations system, containing electric motors to drive the pumps to move oil through the pipeline.

At Black Pines Pump Station, Indigenous Monitors completed site inspections. The inspection included observing and documenting general housekeeping, waste management, hazardous materials storage and matting removal and cleanup.

Matting is a portable platform used during pipeline construction to create paths for equipment, protect environmental features and avoid ground disturbance. Used on worksites and right-of-way construction to connect areas that are hard to reach (e.g., wetted areas), matting prevents weather-related Project delays and shields equipment and the pipeline from damage.

The Indigenous Monitors' observations at Black Pines Pump Station during matting removal included ESC measures with sediment fencing, wattles, erosion blankets, good housekeeping practices, debris removal, and proper signage. No concerns were identified. The Indigenous Monitors observed that compliance measures were followed and no potential chance finds were identified.



Access matting removed near Black Pines Pump Station.

Reduced Monitoring Activities

Reactivation – Darfield to Black Pines completed construction and final cleanup activities at the end of October 2022. Construction and reclamation inspection activities will be scheduled intermittently through spring and summer.



General area of Darfield to Black Pines.

TMEP Line-Wide Indigenous Monitor Meeting

Trans Mountain Indigenous Monitors from across the Project gather annually for a team meeting to collaborate and discuss the TMEP IM program and topics of interest related to environmental inspection, monitoring and Indigenous interests.

On October 21, IMs from spreads and terminal locations gathered in person and via Teams web conference for a line-wide meeting. This collaborative meeting covered topics, including TMEP construction updates and milestones, support and information request mechanisms, environmental skills development training/career progression opportunities and team-building opportunities

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. 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	3	0	0	0	1
Fulfilled	3	-	-	-	1
Outstanding	-	-	-	-	-

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

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