

**SAMSON CREE NATION – MATRIX SOLUTIONS INC.  
PARTNERSHIP**

**ABORIGINAL CONSTRUCTION MONITORING**

**WEEKLY REPORT**

**SPREAD 2**

**DECEMBER 4<sup>TH</sup> TO DECEMBER 9<sup>TH</sup>**

## 1. PURPOSE OF THIS REPORT

The report is a weekly summary of the daily reports submitted by the Aboriginal Monitors that are working on spread two. The social and cultural findings have been tabulated with locations and mitigation measures below. A summary of the construction activities has been summarized for the week of December 4<sup>th</sup> to December 9<sup>th</sup>, 2017.

### Social and Cultural Features

Field Observation	# of occurrences	Description and Mitigation Measures	Mitigation Status	Further Action Required (Yes/No)
Traditional Use Area (hunting, fishing, gathering, trapping)	N/A			
Rock Formations (rocks of significance, tipi rings, etc.)	N/A			
Artifacts	N/A			
Bones	N/A			
Potential Gravesites	N/A			

### Environmental Features

Field Observation	# of occurrences	Description and Mitigation Measures	Mitigation Status	Further Action Required (Yes/No)
Medicinal or Cultural Plants	N/A			
Aquatic Life	N/A			
Animal Observations or Burrows	N/A			
Bird Nests	N/A			
Trees (Red Willow)	N/A			
Wetlands	1	162km+750	Fueling of equipment, resulting in a spill. Spill was cleaned up	no
Watercourse Crossing	N/A			

## Additional Observations and Summary of Activities or Concerns

Attended daily safety meetings and discussed daily scopes each morning with the Contractor Liaison Mel Abraham, and/or the Senior Construction Monitor Ashley Swiftwolfe and Dean Pooyak from Enbridge.

Weekly activities included spot-checking km 143,144,159-164,166-170,177 and shoofly 88,89,93-101,106,107.

This week the monitors headed to shoofly 101 to 100, to check if there were any fuel spills/leaks beneath parked equipment, the area was clean. At shoofly 100, welding (km169+100) and x-ray (km168+100) machine was present. The monitors were able to see the process of welding, from preheating to welding to x-ray. At shoofly 94, the coating crew was monitored (km 162+200). Ashley noticed that a straw truck was fueling a coating tank from his slip tank at wetlands located at km 162+750. Brennan was notified, as Ashley inquired what the procedures for putting in fuel near wetlands are. There were no drip trays or buddy fueling system in place. Fuel was spilt onto the ground, and the cleaning crew came by to clean up, Dean Pooyak was also notified about the incident and later came by to view. At location km170+000, the mechanic was doing work on the bending machine. Welding was observed at km169+400. Don walked from 169+100 to 200, to check out the booms that were parked over the past weekend. Medcor services were noted at shoofly 98 and the prep crew were out at km162+300. The coating crew was present at km 162+400 and km161+800. Sandblasting was taking place at km 163+300.

On December 5, the day started by monitoring shoofly 95 to 98. At shoofly 93, welding of off sets was observed. Two machines were transporting rods at the road crossing at shoofly 95 km163+400. At km 163+500, booms were crossing with welding huts and spotters in place. At shoofly 98, mainline welding was apparent, the mechanic was at work and track bore equipment was noted. Welding equipment was crossing at shoofly 98, flaggers were in place and signs were uncovered. Additionally, Medcor services were noted in the area. Later observed the coating crew at km 162+200 and the welding crew crossing (of equipment) at shoofly 96. At km161+200, prep crew were working on offsets. The coating and sandblasting crew were parked at km164+260. Mainline welding was at location km 166+100 and x-ray was following nearby. Later, they headed to shoofly 88, to view track bore crew, their equipment (km 144+200) was moved in and parked at spread 2 kick off. Welding crew was at work at km 161+100.

The following day, the monitors visited shoofly 98 to view track bore equipment. Medic services were spotted at shoofly 97. At km144+400, welders were getting tested for tie-in. At spread 2 kick off, semi trucks were observed bringing in excavators and digging buckets. The boring crew moved to km 143+920, they were busting frost and prepping for bore work to be done. The total amount of frost that was removed was approximately 18 inches. At km 162+400, the coating crew was at work. The poor boy crew were welding pups on induction bends at km160+500, and bending crews loading in equipment at shoofly 100 (km 168+900). Coating crew was crossing at shoofly 98 and mainline coating is completed.

On December 7, the monitors went to shoofly 88 to observe the track bore crew. They were digging into the pit for track bore to be set up into. Later, they checked out the spill pile, nothing of significance was noted. At spread 2 kick off, welding crew was present, also the mechanic was there working on an OJ safety bus. At km 159+250, observed crews checking for leaks on equipment. At km 169+950, poor boy crew was observed taking apart equipment, as well as, crews loading side booms and equipment to ship out. At shoofly 99 observed coating crew crossing.

On December 8, the crew travelled to shoofly 88 to view track bore equipment. The core crew was observed, and the finished pit (for the track bore) was noted at the above location. They walked on the spill piles after the equipment had completed stock piling it in to create more workspace. The bore crew set out rig mats to drive the motor into the bore pit. The bore crew and welders were putting together, and welding in auger flighting and auger tubes at km 144+200. Medcor was set up at shoofly 100 (km169+400). Additionally, coating crew and x-ray were present at the above location. Met with Eric at shoofly 99, had a quick talk with him to show him what we look for when monitoring on the ROW. At km 169+900, the coating crew was present. Walked from km 167+700 to 167+900, to check spill and transition piles, nothing was found. Observed the Medcor services move from shoofly 100 to shoofly 96, and the coating crew cross from shoofly 96 to 95. At shoofly 106 to 107, noticed a cleaning station (km177+100).

The following day, the monitors reviewed Enbridge's Health and Safety bulletin about hand safety and a group discussion followed. Later the crew headed to shoofly 88, where the coating crew was in action. The security was parked at shoofly 89. The bore crew moved to the north side of shoofly 88, and started digging in the catch pit. The cat was observed moving the spill pile into the pit where workspace was created. The bore crew installed the tube and auger on the track bore and started to bore. The bore crew put together a trench box at spread 2 kick off. At shoofly 94, crew crossing was observed as well as survey present in the area. At shoofly 93, crew crossing of equipment was noted.

The location of these features was documented and photos were collected (see below). No additional cultural or environmental features were observed within the scanned areas.

**Photos of Sites Visited & Topics Discussed This Week**



1. Coating crew – km 162+600 – Dec 4, 2017



2. Spill clean up – Km 162+750 – Dec 4, 2017



3. Sandblasting Crew (N.W)– km 163+300 – Dec 4, 2017



4. Coating Crew – Km 163+700 – Dec 4, 2017



5. Welding Crew – Km 169+400 – Dec 4, 2017



6. Track Bore Equipment – Km 144+200 – Dec 5, 2017





7. Mainline Welding Off sets – Km 161+100 – Dec 5, 2017



8. Crossing Booms – Km163+500 – Dec 5, 2017



9. Bending Crew loading equipment – shoofly 100 – Dec 6, 2017



10. Busting frost (Bore Crew) Km143+920 – Dec 6, 2017



11. Welder getting tested - 144km+400 – Dec 6, 2017



12. Coating Crew - 164km+400 – Dec 6, 2017





13. Bore pit (S.E)– Shoofly 88 – Dec 7, 2017



14. Bore Pit (E) – Shoofly 88 – Dec 7, 2017



15. Leak Check Crew - 159km+250 – Dec 7, 2017



16. Poor Boy Crew - 169km+950 – Dec 7, 2017



17. Spill Pile – Shoofly 88 – Dec 8, 2017



18. Completed Bore Pit – Shoofly 88 – Dec 8, 2017

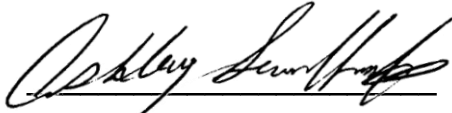


19. Access cat moving spill pile – Shoofly 88 – Dec 9, 2017



20. Bore Augur installation – Shoofly 88 (S.E) – Dec 9, 2017

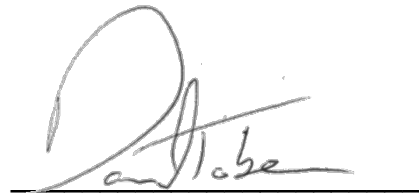
**APPROVALS**



Ashley Swiftwolfe  
Senior Construction Monitor

December 14, 2017

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Date



Daniel Tober  
Senior Environmental Scientist

December 14, 2017

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Date