

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

ABORIGINAL CONSTRUCTION MONITORING

WEEKLY REPORT

SPREAD 2

AUGUST 20TH - AUGUST 25TH

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 August 20th – August 25th 2018.

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	Yes			
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 Dean Pooyak, and/or the Senior Construction monitor Drayton Kasokeo.

Weekly activities included spot-checking km 147, 149, 151-154, 157-159, 165, 172, 175, 176, 178, 183, 186, 189, 196, 218-222, 252-255, and shoofly 91-93, 97, 101, 102, 105, 106, 107, 113, 111, 114-118, 124, 129, 132, 138, 139, 140, 141, 142, 160, 162.

On August 20, the daily safety theme was slips trips and falls. Wear proper footing and be aware of where you step, especially in tall grass and uneven surfaces. The weather forecast was sunny and humid. At SF 142, equipment hasn't been mobbed in, and there was no activity at the location. At SF 139, stripping topsoil in the transition. Clay was ripped so that rig mats can be placed to build the access approach at km 221+029. At SF 129, stripping clay and topsoil for access. Geo tec was placed on the shoulder of the ditch and secured on the ground. At SF 118, bridge was being set up. Later, the bridge was set on screw piles and the welder was securing it to the piles before the access ramp and road could be completed. AT SF 124, access ramp was being constructed over NAL Resource (km 196+746) and Sask energy line crossing (km 196+760). Topsoil was stripped on the south side of the hotline crossing. Mats were set up over the hotline and the ramp was being covered with dirt. At km 196+587, hydro vac was daylighting the NAL Resources line crossing. At SF 113, dozer and excavator were stripping topsoil from the boundary of the agricultural land and native Prairie land. At km 153+000, four excavators were stripping the topsoil and a rare plant species is located in the area (km 153+250). At km 152+400, three dozers were pushing dirt to the wetland. Two dozers were working from km 151+000 to km 153+000. The heritage area was swept and mowing hasn't started at km 154+000

August 21, the safety theme was defensive driving. Always keep a safe distance between vehicles, especially when following. Take extra precaution when driving on the grid roads. Weather forecast was sunny and humid. Excavators were digging bell holes at SF 91 and km 147+084. Stripping occurred at the wetland to the heritage sensitive area at km 152+700. Pumps and swamp weights were being dropped off at the above location. Dozers and hoes returned to SF 92. Stripping and grading started at the heritage sensitive area. Before entering SF 93, equipment was mobbed in and washed at the wash bay. Access approach is being constructed at SF 105. At SF 106, the crew was bulking in seconds on the access approach. Topsoil was stripped at the hotline crossing (Sasktel km 176+522 to 533). An access ramp was built over the hotline crossing. AT SF 106, crews were stripping topsoil in the Native Prairie, from km 176+364 to 175+885, to the drainage crossing. AT SF 107, crews were building a second access approach, there was a Sasktel line crossing in the area.

August 23, the daily safety theme was wearing proper PPE. The weather forecast was sunny and clear skies. At SF 140, mower was parked on the ROW. It was cutting grass between km 221+880 to 295. Grass was cut before fencing and mobbing in. The fencing crew was parked at SF 139. The existing fence was taken down, and a new one

was built on the Native Prairie. At SF 139, crews continue to strip topsoil, the hill was being cut on the side so that there's access to the road (km 221+000 to 220+900). At SF 160, the access crew was working in the area; topsoil was being stripped to build an access approach. Labourers were taking down barbwire off of the fences at km 253+900 to 254+773). At SF 97, the aqua dam was visited. Stripping occurred in the Native Prairie from km 157+500 to 800; and km 157+400 to 600, was graded and stripped. Bell hole digging was taking place at SF 102 and a CAT was pushing dirt from the bell hole to the spill pile located at km 172+100. Dirt was being pushed at SF 106 and track bore was digging bell hole bay at SF 115 and km 189+392.

August 24, the safety theme was driving, during dusk and dawn and for long hours. Also, always sign on the crew's field level hazards assessment, to find out the hazards and how to mitigate them before entering an area. The weather forecast was hot and humid. At SF 92, the aqua dam was visited and monitored. The excavator was digging in the bell hole at km 150+000. The Native Prairie was monitored from km 154+400 to 157+600. Borehole digging was taking place at SF 102, the crew was moving in track bore equipment from SF 101 to be set up in the bore bay. Crews were digging in bore bays; as an excavator dug, another was stock piling clay, at SF 115. At km 178, a dozer was bulking dirt over the access ramp that was leading to the Enbridge plant. At SF 111, crews were prepping equipment to be set up in the bore bay. Topsoil was being striped from SF 114 to 115. One excavator and four dozers were crossing at SF 116, and then started to strip at SF 117. At SF 118, bridge construction was in place, the crew had retaining walls built, and geotec laid. Dirt ramps were built to cross over the bridge. At SF 141, the fencing crew moved east and started to build a fence in the heritage sensitive area.

On August 25, the safety theme was driving in the town; watch out for school zones and children. The weather forecast was cloudy and windy. At 93, mechanics were servicing dozers, and meridian survey was on location. At km 158+550, crews were washing equipment. Bore crew was monitored at km 149+950. At SF 102, track bore crew were welding in second pipe and auger. The crew was going to bore the access road later. At km 174, bore bays were being dug at Plains Midstream Pipeline crossing; there were four line crossings to bore under. At km 222+140 to 631, fence crew built a fence at the heritage sensitive area. Bore bays were being dug for the slip bore machine. The hydro vac was working at km 221+222. Dozer was pushing dirt at km 221+000. The ROW was being constructed from km 221+000 to 220+650, in the Native Prairie. Access crew was working east to west at SF 139. Ramp was built over the wetland to the end of the Native Prairie section at km 218+550. Stripping for vehicle access was observed at SF 138; and, mats were being set down by an excavator at SF 160. Two dozers were pushing dirt at km 252+500. Excavator was stripping at km 255+753 and discing was taking place at km 255+900. At SF 132, topsoil was being stripped, geo tec was laid, and crews were waiting to bulk clay on the geo tec to build the access approach.

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



Excavator stripping topsoil – km 152+400 – Aug 20, 2018



Rare plant, sensitive area – km 153+200 -Aug 20, 2018



Access crew stripping topsoil - Km 221+ 039 – Aug 20, 2018



Access ramp built of NAL resource and Sasktel line – Aug 20, 2018



Excavator digging bell hole- Km 218+ 988– Aug 21, 2018



Digging slip bore pit – km 161+000 – Aug 21, 2018



Sasktel line crossing access ramp - Aug 21, 2018 Excavator stripping for drainage to be built– km 171+300, Aug 21, 2018



Southside of aquadam – km 152+700 - Aug 22, 2018

Heritage sensitive area – Km 154+350 – Aug 22, 2018



Fueling equipment – SF 124 – Aug 22, 2018

Excavators stripping topsoil – km 154+443 – Aug 22, 2018



Hill being cut – km 220+900 – Aug 23, 2018



Excavator stripping topsoil – SF 160 – Aug 23, 2018



Aqua dam - km 165+265 – Aug 23, 2018



Excavator digging bell hole - km 172+039 – Aug 23, 2018



Aqua dam S.E– km 153+000 – Aug 24, 2018



Excavator digging bellhole – km 150+000 – Aug 24, 2018



Bore bay digging – SF 115 – Aug 24, 2018



Heritage area being fenced in – km 161 + 000 – Aug 24, 2018



Dozer pushing dirt into valley – km 221+000 – Aug 25,2018



Excavator placing rig mats – km 252+100- Aug 25, 2018



Washing equipment – km 158+600 –Aug 25, 2018



Equipment crossing - 149+950 - Aug 25, 2018



Excavators digging bore bays– Aug 25, 2018



Access crew grading hill – km 222+800- Aug 25, 2018

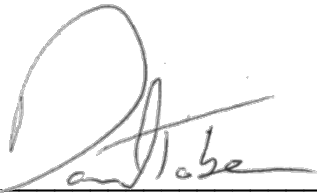
APPROVALS



Drayton Kasokeo
Senior Construction Monitor

August 31, 2018

Date



Daniel Tober
Senior Environmental Scientist

August 31, 2108

Date