

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

ABORIGINAL CONSTRUCTION MONITORING

WEEKLY REPORT

SPREAD 1

AUGUST 20TH TO 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 one. 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 weeks of August 20th to 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	N/A			
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, Wennell Swampy. Additionally, the crew attended scheduled midweek meeting with Eric Foster from Matrix Solutions.

Weekly activities included spot-checking km 10,13,14,16-19,20,21,24-26 ,28, 34, 36, 37, 38, and shoofly 3-19,24-27.

On August 20, the safety meeting covered the need to watch out for farmers and wildlife; and staying hydrated due to the heat warning in effect. Weather forecast was hazy and dusty. At SF 5, bails were being stacked on the ROW. AT SF 8, discing on the ROW, and utility crews were picking up wood debris. At SF 9, the skid steer was piling rock and wood debris (km 13+000). At Km 14+000, meridian survey was onsite and loader was piling rocks. At SF 11, wood debris and rig mats were put down at the access road. AT SF 14, piles of rocks and rig mats were onsite. Dozer was back blading and harrowing was taking place at SF 15. At km 17+950, dozers were levelling soil, sign covers were removed, and utility crew markers were removed. At SF 16 and 17, crews were cleaning the trench, two dozers were bailing out dirt and two dozers were levelling topsoil, and crews were loading excavator onto lowboy. At SF 19, tractor was pulling spike, tractors were rock picking and two graders were levelling on the ROW. At SF 24, excavator was narrowing access ramp, dozer was levelling soil and oiler crew was working alongside the excavator near the highway. The monitors noticed that at km 34+000, excavator and rock trucks were narrowing the ramp access off of the highway; it was hazardous as it was close to the road and there was no traffic control. At SF 27, the monitors walked the ROW and at km 37+650, skid steer was moving mats to the mechanical wash station. At SF 18, tractor discing (km24+800), grader levelling and wash station was setting up at km 25+450. At km 25+450, crews were washing tractor and discer.

On August 21, the safety theme was mental health awareness. Weather forecast was sunny and dusty. Tractor was loading bales onto trailer for relocation, and fencing crew were at SF 3. At SF 4, fencing crew was on ROW, and bale buster was harrowing at SF 7. At SF 5 and 6, tractors were straw crimping and bale busting. Seeding crew was on ROW at SF 7 and 8. AT SF 10, hydro vac was locating borehole, excavator and dozer were working on topsoil, and excavator was loading equipment onto trailer. Utility crew was picking wood debris and skid steer and utility truck was with trailer at SF 11. Side by side harrowing occurred at km 17+700. Four excavators were being cleaned and one excavator was pulling the ramp access at SF 15. Crews were flagging, and dozers were waiting to be loaded and relocated to SF 18. At SF 16, equipment loading on lowboy and oilers were cleaning tracks on excavators. Harrowing occurred at SF 17 and 18, and air compression at the wash station at km 25+500, and dump truck was being loaded with gravel for disposal. At SF 24, excavator was cutting down access road and dozer was spreading out material. Packer was on subsoil at km 36+400, excavator was working on subsoil at km 37+000, and crew was building a wash station at km 37+750.

August 22, daily safety theme was heat exhaustion, take cool down breaks and stay hydrated. Weather forecast was heat warning. The senior monitor started at SF 27, no activity was going on. At SF 26, excavator was working on roach. At SF 24, excavator was working on ramp removal and roller packing was on ROW. At SF 18, clean up crew signed off, equipment was being transported to wash station, and crews were flagging traffic. At km 25+500 to 200 grading was taking place on the ROW, and dozer was moving west to km 25. Dozers were putting topsoil back at km 21. At SF 17, dozer was spreading out seconds and topsoil. Utility crew was cleaning tracks off of machines, dozers were levelling soil and excavator was levelling topsoil and transition at SF 16. At SF 14, signage and rig mats were on access road. At SF 11, utility crew was picking up rocks and wood debris, rock trucks were being loaded for disposal, and seeders were spreading seeds. Additionally, a worker was smoking on the ROW. At SF 10, excavator was piling and mixing topsoil, and a dozer and an excavator were sitting on ROW. Medics were at SF 9. Crews were cleaning tractor crimper, two tractors were bale busting, one tractor was crimping and seeders were spreading at SF 8. At SF 3, fencing equipment was at the access road.

The following day, the safety theme was watch for wasps, and to be aware of traffic. The weather forecast was hazy with a smoke warning from wildfires. The Aboriginal monitors met with the NEB. Reclamation process was taking place from SF 3 to 8. At SF 8, crimpers and bale busters were on the ROW. At SF 10, hydro vac (test water disposal) and excavators were working on topsoil. Seeders were at SF 11. Tractor with bucket/skid steer, and utility crews were collecting wood debris at SF 12. Medics were onsite, rig mats were on the access road, rock picking and clearing of wood debris on ROW (SF 14). At SF 16, dozer and excavator were levelling seconds and topsoil, and stacking by ROW access. At SF 18, discing, dozer, grader on subsoil, and marooka unloading rocks, later dust control arrived. Dozer was de-compacting subsoil and levelling at km 25+600. Harrowing on ROW at km 28+800, excavator ramp removal and utility truck with trailer moving geo-textile liner at km 34+000. At SF 21, crews were building a rock station, one tractor was discing and harrowing was taking place. At SF 24 and 25, excavator ramp removal, rock truck was being loaded with ramp material and oilers were removing geotec.

August 24, the safety theme was bell holes, and to keep entries safe, ensure that permits are in place. The weather was overcast. At SF 24, fence removal, excavator was pulling ramps, crews were loading dump into trailer with geotec, and one dozer was levelling the ROW. Utility crew was putting up goal posts at km 33+900, and at SF 21 harrowing was taking place on the ROW. At SF 20, discing and grader was de-compacting subsoil on ROW. At SF 18, equipment was being cleaned at the wash station. Three tractors were taking contaminated soil in buckets for disposal to disposal bins. Excavator was crossing, crews were flagging traffic, dozers were grading and levelling soil, and equipment was being transported in and unloaded. At km 25+600 to 700, discing and grader de-compacting, and km 29+200 tractor was harrowing. At km 28+000 to 30+000, skid steer rock removal, packer was rolling the ditch line, tractor was pulling discer, tractor was rock picking, and piling wood into piles. At SF 17, dozers were back blading soil. Harrowing, rock picking and piling wood debris into piles at SF 16. At SF 14 utility crew was collecting wood debris. Skid steer, tractor and crew trucks

were onsite at km 17+700. At SF 11, a truck was loading rig mats and crews were flagging traffic. At SF 10 hydrovacating the open bell hole and crews were taking down the fence around the bell hole. Medics were onsite and crimpers were shut down at SF 9.

August 25, the safety theme was reversing; use spotters if possible. The weather was partly cloudy. At SF 3, crews were fencing. Medic was onsite at SF 9 and lowboy was loading tractors. Excavator was digging the bell hole at SF 10. Skid steer was loading wood debris and dumping it onto utility truck at SF 15. At SF 17 utility crew was rock picking and dozer was back blading. At SF 18, dozer was being transported, flagmen were directing traffic, and dozer was grading topsoil. Additionally, tractor was being cleaned at the wash station, excavator was moving topsoil, and loader was loading rocks onto haul truck. At SF 20, tractor harrowing and tractor was discing at km 27+200. At km 27+300, rock picker was loading rocks. At km 29+200, dozer and grader were working topsoil. Rocks were lined up and ready for pick up and disposal at km 28+900. At SF 21, crews were cleaning tractor discer, packer was rolling on ROW, crews were rock picking and transition soils were scanned. At SF 22, dozer was contouring the hill. At SF 24, picker truck was lifting rig matting, packer was packing the ditch line, excavator was loading rock truck, rock truck was transporting rock to access and ramp removal is completed.

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



Crews working – SF 16-17, Aug 20, 2018



Excavator narrowing the road – SF 24– Aug 20, 2018



Skid steer washing mats at wash station – km 37+600
Aug 20, 2018



Rocks and rig mats on access road – km 17+750 –
Aug 20, 2018



Excavator spreading topsoil - km34+000– Aug 21, 2018



Excavaor roach and compaction – km36+400-Aug 21, 2018



Dozer being cleaned – SF 18 – Aug 21, 2018

Silt fencing, Ribstone Creek– km 37+750 – Aug 21, 2018



Hydro vac bore hole – km 14+100 – Aug 21, 2018



Air clean station – km 25+500 – Aug 21, 2018



Loading debris for disposal – SF 11 – Aug 22, 2018



Dozer moving topsoil on ROW – SF 17 – Aug 22, 2018



OJ water truck on dust control - SF 15 - Aug 22, 2018



Day lighted pipe fenced in – SF 10 – Aug 22, 2018



Dozer spreading seconds on topsoil – km 108+500 – Aug 22, 2018



Skid steer loading wood debris– SF 11 – Aug 22, 2018



Utility crew picking rock and wood debros– km 17+500 – Aug 23, 2018



Discing and grading– km 108+650 - Aug 23, 2018



Hydrovac daylighting pipe – SF 10 – Aug 23, 2018



Wash bay construction – SF 21 – Aug 23, 2018



Ramp removal – SF 24 – Aug 23, 2018



Reclamation on ROW – SF 25 – Aug 23, 2018



Excavator ramp removal – km 34+000 – Aug 24, 2018



Crimpers shut down – SF 9 – Aug 24, 2018



Equipment working on ROW – SF 19 – Aug 24, 2018



Tractor ripping on ROW – SF 21 – Aug 24, 2018



Hydrovacating bell hole - SF 10 – Aug 24, 2018



Harrowing on ROW – SF 21 – Aug 24, 2018



Unloading tractor – SF 9 – Aug 25, 2018



Tractor harrowing – SF 20 - Aug 25, 2018



Crew building fence – SF 3 – Aug 25, 2018



Crew rock picking – SF 21 - Aug 25, 2018



Hauling rock – km13+000 – Aug 25, 2018



Grader and dozer – SF 21– Aug 25, 2018

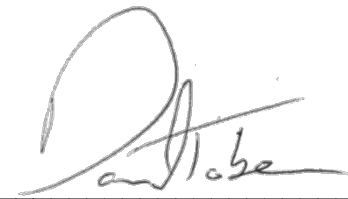
APPROVALS



Wennell Swampy
Senior Construction Monitor

August 31, 2018

Date



Daniel Tober
Senior Environmental Scientist

August 31, 2018

Date