

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

ABORIGINAL CONSTRUCTION MONITORING

WEEKLY REPORT

SPREAD 1

OCTOBER 15TH TO OCTOBER 21ST

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 October 15th to October 21st, 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)	No Occurrence			
Rock Formations (rocks of significance, tipi rings, etc.)	No Occurrence			
Artifacts	No Occurrence			
Bones	No Occurrence			
Potential Gravesites	No Occurrence			

Environmental Features

Field Observation	# of occurrences	Description and Mitigation Measures	Mitigation Status	Further Action Required (Yes/No)
Medicinal or Cultural Plants	No Occurrence			
Aquatic Life	No Occurrence			
Animal Observations or Burrows	No Occurrence			
Bird Nests	No Occurrence			

Trees (Red Willow)	No Occurrence			
Wetlands	No Occurrence			
Watercourse Crossing	No Occurrence			

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: 21,27-30,32,39,41-44, 52, 53, 55, 62, 63, 64,67-70,73-83,85,86,91,92,94,95,99,100-104,106,108,115,116,119,132,133,134, and shoofly: 17,20-23,25,28-53,56-63,65,71,72,76,80,81,82,83,86-89,

On October 15, the daily safety theme was hazard management and control. The weather forecast was clear and windy. At SF 28, rock picking, skid steer loading rocks, and grader levelling soils were monitored. Crews were pumping water, washing long stick excavator, and dozer was putting soils back on the ROW at SF 31. At SF 32, tractor was pulling seeder with bale buster and crimping attachments. At SF 35, test crews were working, and equipment was loaded onto flat deck trailer for transportation. At SF 39, wetland ramp removal was noted. Also, dozers were working on subsoil to dry out, and excavators were levelling and replacing topsoil. At SF 46, dozer was shaping subsoil. At SF 52, the testing crew was ventilating the pipeline. Medics were onsite at SF 53 and 71. At SF 57, excavator was working on access, and geotec was piled and needs to be disposed. At SF 60, rock pile, garbage bins and project material were piled and separated. At km 100+200, fencing debris were placed by garbage bins, an excavator was moving topsoil back onto the ROW (100+000), and an excavator and a dozer were moving topsoil back on the ROW (km 99+900). The area was congested at SF 63. At SF 76, muddy conditions were noted on the ROW. At SF 86 to 89, there was no work activity.

October 16, the daily safety theme was driving with headlights on during dim/hazy conditions. The weather forecast was clear. At SF 23, rock pile needs to be disposed. At SF 30, access ramp was being dismantled and a dozer was spreading soil on ROW. Also, excavator and flagger for traffic control were noted. At SF 31, site services were onsite fencing, crews were rock picking, excavator was being cleaned, dozer and excavator were spreading transition, dozer was shaping and compacting, geotec was piled, and rig mats were stacked at the access. At SF 32 and 50, tractors were harrowing. At SF 34 and 53, testing crew was onsite. Dozers were contouring soil, an excavator was working on the access road/ramp removal, and geotec was exposed at SF 39. Additionally, the wash station wood blocks need to be removed. At SF 40, excavator was working on wetland. At SF 43, dozers were working on access road. At SF 44, utility crew was cleaning up. At SF 45, utility crew was cleaning the excavator, dozer was spreading transition soil on ROW, workers were cleaning tracks on the skid steer and crews were loading the skid steer onto utility trailer at SF 45. At SF 49, dozer was decompacting soil. At SF 52, crews were assembling the cleaning station. At SF 57, garbage/materials were placed at ROW access, ramp has been narrowed by excavator, excavator was prepping for contouring, large rocks were piled at ROW edge

and wetland sign needs to be fixed as it is not visible. At SF 61 and 62, most of the topsoil has been replaced. At SF 63, soils were wet.

October 17, the safety theme was to ensure that carbon monoxide detectors are in working order. The weather was sunny. At SF 17, testing crew was onsite with two storage tanks and a transfer tank. At SF 21, rock pickers were piling rocks on the ROW. At SF 22, rocks on the ROW need to be sorted. At SF 23, rock debris needs to be disposed. At SF 25, fencing crew was waiting for survey crew (before they can work). At SF 30, tractor was cultivating the ROW, workers were loading rocks onto skid steer, dozer was spreading soils, utility crew was cleaning dozer at wash station and rig mats were being loaded onto lowboy with traffic control in place. At SF 31, dozer was spreading topsoil, equipment was being cleaned, graders were levelling and contouring, and dozers were ripping soils so it can be dried out. At SF 39, lowboy was transporting dozer off of ROW (traffic controls were in place), and skid steer was moving wood blocks. At SF 30, 39, 47, excavator was placing topsoil back onto ROW. At SF 40, lowboy was unloading dozer on the ROW, and utility crew was flagging. At SF 41, excavator and dozer were working on wetland and the excavator was working on the edge of wetland with a spotter in place. At SF 43, dozer was shaping subsoil. At SF 44, dozer and harrow were decompacting. At SF 46, dozer was decompacting, and an excavator was working on wetland removing geotec. At SF 47, dozer was working on transition. At SF 50, ROW was scanned, conditions were wet and nothing was found. At SF 52, cleaning station was setup. At SF 56, dozers were shaping and decompacting soil.

October 18, the safety theme was distracted driving. The weather forecast was sunny. At SF 46, access road rig mats were piled. At SF 47, dozer was spreading topsoil and geotec debris were at the access. At SF 48, tractor was harrowing on ROW. At SF 52, dozer and excavator were decompacting. Grader and dozer were shaping subsoil at SF 56,57, 58. At SF 58, materials are ready to be disposed of, and an excavator was moving and loading rocks onto rock truck. At SF 59, excavator and rock truck were working on wetland. At SF 62, excavator was working on subsoil to dry. At SF 71, excavator was cleaning up ROW edge, excavator was working wet soils to dry, and oiler was picking up garbage. At SF 72, test crew and medic were onsite, and side boom was holding pipe. At SF 76, ROW was saturated. At SF 82, excavator and dozer were shaping subsoils, and pulling transition back onto ROW. At SF 83, excavator was working on ramp removal.

On October 19, the safety theme was to be aware of pinch/crush points at work or at home. The weather forecast was clear with winds. At SF 20, utility crew was rock picking. At SF 21, crews were rock picking, skid steer was collecting rock piles on the ROW, temporary cleaning station was set up and badger holes were noted when walking on the ROW. At SF 30, dozers were working on final grade, tractor was harrowing and utility crew was cleaning up dozers and excavators. At SF 31, tractor was harrowing side-by-side, dozers were shaping and contouring, excavators were pulling rig matting, and majority of soils are replaced. At SF 32, seeders, bale busters and crimpers on ROW. At SF 34, test crew and hydro-vac were onsite. At SF 41, excavator was scraping subsoil at edge of transition (spotter in place), dozer was working in the wetland, dozer was shaping subsoil, excavator was pulling seconds, tractor was

harrowing around the wetland and tractor was discing. At SF 42, dozers were shaping and contouring, and excavators were bailing soils to dozers. At SF 43, dozers were working subsoil. At SF 44, excavator was decompacting soil for drying out, and levelling soils with rig matting.

October 20, the daily safety theme was to be mindful of work and to be safe. The weather forecast was clear. At SF 42, excavators were bailing wetland ramp to dozers, dozers were spreading material, excavators were removing geotec, and oilers were piling geotec on edge. At SF 44, dozers were shaping and contouring soils, excavators were pulling soils and grader was levelling on ROW, and crews were washing equipment. At SF 48, dozers and excavators were shaping sub soils, and mechanic was working on excavator at access. The majority of soils have been replaced at SF 28 to 49. At SF 56 and 57, dozers were decompacting on the ROW. At SF 58, excavator and dozer were working on topsoil and transition. At SF 59, tractor was harrowing. At SF 60, cleaning station was set up at access, and dozers were working on clean up. At SF 62, excavator and dozer were working on subsoil. At SF 63, tractor was discing. Grader was shaping subsoil at SF 65. Wash station was set up at SF 66. Medics were onsite at SF 71. At SF 72, hydrovac ovality dig was locating the line and excavator was moving wood blocks. At SF 80, excavators were working on topsoil and dozers were spreading. At SF 81, excavator was working on ramp removal and dozer was working on final grade. At SF 82, clean up was taking place – ramp removal, taking down goal posts, disassembling clean up station, and labourers were on traffic control.

October 21, the safety theme was working on Sunday, be aware of fatigue. The weather forecast was clear and sunny. At SF 31, debris was piled at access. At SF 33, crimping has been completed. Medics were onsite at SF 34. At SF 39, excavator and dozer were working on final grade. At SF 41, excavators were working on wetland ramp and an excavator and a dozer were spreading topsoil. At SF 42, dozers were spreading out seconds, and wetland ramp was being taken down. At SF 43, dozer was shaping and contouring, and excavator was drying out soils. At SF 44, graders were levelling, dozers were shaping and contouring, crews were offloading dozers and hotline ramp removal was stacked at ROW access. At SF 45, excavator and dozer were spreading topsoil. At SF 46, rigmats need to be removed. At SF 48 and 49, decompacting, excavator and dozer were working on seconds, and materials were piled for disposal. At SF 49, tires for road crossing are too close to the highway (minimum of 3m). At SF 50, dozer and excavator were spreading out seconds.

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 working on subsoil – SF 27– Oct 15, 2018



Excavator and dozer pulling top soil on ROW– km 99+900 - Oct 15, 2018



Topsoil replacement on ROW – SF 31 – Oct 15, 2018



Rock picking and piling on ROW – SF 28 - Oct 15, 2018



Excavator pulling topsoil – SF 60 – Oct 15, 2018



Biosecurity before walking on transition– SF 60 – Oct 15, 2018



Excavator drying out subsoil - SF 57 – Oct 16, 2018



ROW ramp removal – SF 39 – Oct 16, 2018



Excavator/dozer working on access – SF 43 - Oct 16, 2018



Ramp removal – SF 30 – Oct 16, 2018



Crews cleaning excavator – SF 25 – Oct 16, 2018



Excavator working on ramp removal – SF 39 – Oct 16, 2018



Excavator pulling topsoil – SF 39 – Oct 17, 2018



Excavator working on wetland ramp – SF 41 – Oct 17, 2018



Dozer spreading subsoil– SF 30 – Oct 17, 2018



Wetland silt fence – SF 22 – Oct 17, 2018



Lowboy loading rig mats– SF 31 - Oct 17, 2018



Tractor harrowing on ROW – SF 30 – Oct 17, 2018



Excavator piling rocks - SF 58 - Oct 18, 2018



Excavator working on ramp removal– SF 83 – Oct 18, 2018



Excavator and dozer drying out soil – SF 62 - Oct 18, 2018



Wet soils on ROW – SF 52 – Oct 18, 2018



Dozer shaping subsoil– SF 58 -Oct 18, 2018



Dozer shaping subsoil – SF 82 – Oct 18, 2018



Discer on seconds - SF 41 - Oct 19, 2018



Utility crew cleaning dozer – SF 30 - Oct 19, 2018



Rock piling on ROW - SF 21 - Oct 19, 2018



Long stick working to dry out soils – SF 44 - Oct 19, 2018



Final grade on ROW - SF 30 - Oct 19, 2018



Working on wetland – SF 41 - Oct 19, 2018



Workspace clean up - SF 60 - Oct 20, 2018



Ovality dig site – SF 72 - Oct 20, 2018



Wetland ramp material removal - SF 42 - Oct 20, 2018



Majority of top soils replaced – SF 48 - Oct 20, 2018



Dozer and excavator working on subsoil - SF 41 - Oct 20, 2018



Excavator working on clean up – SF 30 - Oct 20, 2018



Decompacting and spreading out seconds - SF 49 - Oct 21, 2018



Wetland ramp removal – SF 41 - Oct 21, 2018



Offloading dozer - SF 44 - Oct 21, 2018



Wetland ramp removal – SF 42 - Oct 21, 2018



Excavator/dozer spreading topsoil - SF 41 - Oct 21, 2018



Final grade – SF 30 - Oct 21, 2018

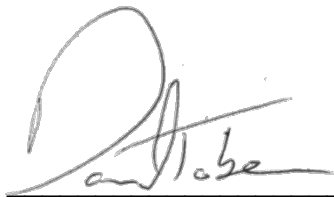
APPROVALS



Wennell Swampy
Senior Construction Monitor

October 25, 2018

Date



Daniel Tober
Senior Environmental Scientist

October 25, 2018

Date