

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

ABORIGINAL CONSTRUCTION MONITORING

WEEKLY REPORT

SPREAD 1

NOVEMBER 5TH TO NOVEMBER 10TH

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 November 5th to November 10th, 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: 21,26,27,30-33,35,43,50,54,55,62,73-76,82-86,92,100,107,108,111,116,125,127,131, and shoofly: 17,19-25,27,31,32,34,35,37-40,43-46,49-52,56,59,61,65,66-68,71,75-80,82.

On November 5, the daily safety theme was slippery conditions on the road. The weather forecast was windy. At SF 79 and 80, tires need to be removed from access. At SF 78, crane was loading rig mats and flumes onto lowboy. At SF 77, dozers were spreading out seconds and topsoil back onto ROW, excavator was pulling seconds and topsoil, and flume and geotec needs to be removed. At SF 76, excavator was pulling topsoil on ROW. At SF 75, excavator was pulling topsoil, and dozer was spreading it out on the ROW. At SF 65, graders were grading and contouring, and three excavators were pulling transition. At SF 68, majority of topsoil were replaced, dozers were shaping and contouring, excavators were pulling in topsoil and levelling it off, and excavator was pulling the access ramp. At SF 52, excavator was putting topsoil back over test site, rotospik was breaking up dirt, and tractor was discing and harrowing on ROW. At 51, dozer was spreading out transition (seconds), and excavator was pulling transition back on ROW. At SF 49, excavator was pulling topsoil to dozers, dozers were spreading it out, t-posts were buried under the snow, and garbage (plywood and bottles) were left along the ROW edge. At SF 45, crew was working on ovality dig (hydrovac). At SF 44, excavator was bailing out topsoil to dozers, and dozers were shaping and contouring on ROW to dig site. At SF 39, fencing crew was putting up fence. At SF 35, lowboy was hauling excavator.

November 6, the daily safety theme was to ensure that lights are on when driving. The weather forecast was windy. At SF 45, two excavators were working on ovality, they were dumping soil back onto the ovality dig, and excavator and dozer was spreading topsoil. SF 23, 27,37, and 38, the fencing crew were pounding fence posts in. At SF 22, excavators were moving rig mats and laying it at the access, hydrovac was locating pipeline, and lowboy arrived with excavator. At SF 34, Dylan walked the old test site and tie-in, and garbage needs to be cleaned up. At SF 37/38, project material piled and needs to be removed, access road fencing is completed, and crews were waiting on surveyors to put in posts. At SF 40, rig mats need to be removed. At SF 43, tractors were bale busting on ROW, and dozers and excavators were working on topsoil. At SF 44, only temporary access to ovality site, dozers were spreading topsoil (shaping and contouring) and the majority of soils are replaced. At SF 45, excavator and dozer were in the trench compacting. At SF 46, excavator was pulling subsoil, putting the last of it back after ovality completion; dozer was pushing topsoil back, and shaping and contouring on the ROW. At SF 51, dozer and excavators working on subsoil and wetland area, spreading soil to dry, and access road rig mats need to be removed. At

SF 52, dozers and tractor harrow/discer were decompacting soil. At SF 56 and 75, rig mats need to be removed from access. At SF 76, excavators were doing clean up on ROW. At SF 77, dozers were doing final clean up on ROW. At SF 80, access road tire pile needs to be disposed of.

November 7, the safety theme was ground disturbance; please ensure that the safety list/procedures is followed. The weather was windy. At SF 80, tire pile needs to be removed. At SF 77, dozer was spreading out topsoil. At SF 75/76, lowboy was transporting excavator off of ROW. At SF 76, dozer was working on clay piles, lowboy was hauling dozer to clean station, and medic was onsite. At SF 82, tires were piled and ready for removal. At SF 76, dozer was finishing up with clay and proceeding with topsoil. At SF 71, lowboy was hauling excavator. At SF 59, crew was at tie-in test point. At SF 56, crimpers and tractor were bale busting on ROW. At SF 56, bale buster and crimpers were on ROW. At SF 52, dozers and excavators were spreading out topsoil, tractor discer and rotospik were on subsoil, and flumes and wood blocks were at access. At SF 52, dozer and tractor were discing and breaking up soil, and spreading it on the ROW. At SF 51, utility crew was assembling silt fence at wetland, dozer was shaping and compacting, excavator was working on ramp removal, and skidsteer was stock piling rig mats. At SF 45, dozer was spreading topsoil back, rig mats were stacked at access, and dozer and excavator were doing final touch up on ovality dig. At SF 46, excavator was working on subsoil, excavators were bailing topsoil to dozer, soils are replaced, and rig matting was stacked. At SF 43, speed discer was on ROW, and rig mats and wood blocks need to be removed.

November 8, the safety theme was congested areas and slopes. The weather forecast was windy. At SF 52, excavators were spreading out seconds. At SF 51, skidsteer was pulling rig mats on trailer, crews were installing silt fence. The area was messy with geotec and garbage scattered throughout the ROW and large clumps of dirt were noted along the ROW. At SF 50, excavator was working on wetland and utility crew was installing a fence. At SF 34, dozer was decompacting soil, excavator was picking up skids, dozer was ripping ROW access, excavator was loading rock truck with sand, excavator was shading pipe, and oilers were picking up garbage. At SF 25, access road equipment was being delivered. At SF 24, dozers were stripping ROW for ovality dig (prep). At SF 22, ovality dig site was being prepped. At SF 17, open excavation was noted. At SF 19, 20 and 21, excavator was working on ovality dig.

On November 9, the safety theme was to be prepared for the changing and cold weather. The weather forecast was windy, and overcast with flurries. At SF 59, valve onsite at tie-in and set up by trench of pipeline, water pump was off containment, two side booms were being fuelled up and garbage was littered throughout the ROW. At SF 56, rig matting and wetland matting were in bar ditch. At SF 54, buried geotec was on ROW. At SF 52, lowboy was transporting dozer off of ROW, tractor was discing, dozer and excavator was decompacting soil, and dozer and excavator were ripping and chopping up soils. At SF 51, dozer was spreading topsoil back on ROW, silt fence was inspected – geotec pieces were throughout the north buffer zone, and garbage was left on the ROW. At SF 50, skidsteer was loading rig mats and wood blocks onto trailer. At SF 49, skidsteer was stacking rig mats onto flat deck trailer. At SF 45/46, lowboy was loading equipment off of ROW. At SF 34, lowboy was loading rig mats and removing

them off of the ROW, lowboy was loading arms and weights from side boom and removing it off of ROW, haul truck was unloading soil along test site, and dozer was decompacting subsoil. At SF 31, fencing crew was putting in posts with a post pounder and fencing wire. At SF 25, excavator was stripping and prepping for ovality digs. At SF 24, hydrovac was onsite. At SF 21, excavator was digging ovality. At SF 21/22, lowboy arrived to unload dozer. At SF 20, hydrovac truck was onsite to locate pipeline. At SF 19, ovality dig is completed and wood blocks need to be removed.

November 10, the daily safety theme was to be aware of black ice. The weather forecast was cloudy. At SF 61, excavator was installing sheet piling for barrier for transformer, and crane arrived onsite to pound in sheet pilings. At SF 59, valve prepped for installation. At SF 52, utility crew onsite, flagging and removing rocks, dozers were decompacting soil, tractor was discing ROW, and excavator was pulling transition. At SF 46, fencing crew was pounding posts and putting in wire. At 27, excavator was working on ovality dig. At SF 25, lowboy was unloading excavator, and utility crew was on traffic control. At SF 22, three ovality digs are completed, and dozers were spreading topsoil, excavator was digging under pipe with shovel attachment, open ditch was made safe, excavators were shading pipe, packing soils, and oilers were removing rocks from around the pipe shading material. At SF 20 and 21, excavators and dozers were working on ovality dig. At SF 19, wood blocks are ready for removal.

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



Tractor harrowing – SF 52 – Nov 5, 2018



Dozer and excavator spreading topsoil– SF 75 – Nov 5, 2018



Ovality dig – SF 45 – Nov 5, 2018



Lowboy hauling flumes – SF 78 - Nov 5, 2018



Excavators pulling transition - SF 65 – Nov 5, 2018



Ovality dig completed– SF 49 – Nov 5, 2018



Fencing crew putting up posts – SF 27 – Nov 6, 2018



Tractor busting bale – SF 43 – Nov 6, 2018



Decompacting sub soil – SF 52– Nov 6, 2018



Dozer spreading topsoil – SF 51 – Nov 6, 2018



Ovality prep – SF 22 – Nov 7, 2018



Test and tie-in site – SF 34 – Nov 7, 2018



Discer on subsoil – SF 52 – Nov 7, 2018



Excavators pulling topsoil – SF 52 – Nov 7, 2018



Lowboy transporting equipment – SF 71 - Nov 7, 2018



Dozer spreading topsoil – SF 76 – Nov 7, 2018



Excavator working on ovality dig - SF 22 – Nov 8, 2018



Excavator pulling transition and topsoil– SF 52 – Nov 8, 2018



Geotec scattered through ROW – SF 51 – Nov 8, 2018



Silt fence installation through wetland – SF 51 – Nov 8, 2018



Ovality dig prep– SF 24 – Nov 8, 2018



Ovality dig exposed pipe– SF 19 – Nov 8, 2018



Dozer decompacting sub soil - SF 34 – Nov 9, 2018



Fencing Crew – SF 31 - Nov 9, 2018



Last of topsoil placement - SF 51 – Nov 9, 2018



Dozer ripping subsoil – SF 52 – Nov 9, 2018



Excavator loading soil on rock truck - SF 34 – Nov 9, 2018



Excavator and dozer breaking up subsoil – SF 52 – Nov 9, 2018



Ovality dig - SF 22 – Nov 10, 2018



Ovality dig – SF 21 – Nov 10, 2018



Excavator cleaning soil under pipe - SF 22 – Nov 10, 2018



Pipe shading completed– SF 22 – Nov 10, 2018



Dozer decompacting subsoil - SF 52 – Nov 10, 2018



Excavator installing sheet piling – SF 61 – Nov 10, 2018

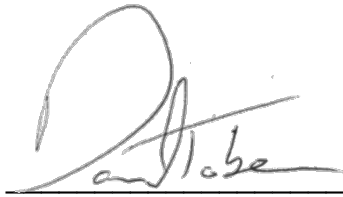
APPROVALS



Wennell Swampy
Senior Construction Monitor

November 20, 2018

Date



Daniel Tober
Senior Environmental Scientist

November 20, 2018

Date