

**MANITOBA METIS FEDERATION – MATRIX
SOLUTIONS INC. PARTNERSHIP**

INDIGENOUS CONSTRUCTION MONITORING

WEEKLY REPORT

SPREAD 7

OCTOBER 22ND TO OCTOBER 27TH

1. PURPOSE OF THIS REPORT

The report is a weekly summary of the daily reports submitted by the Indigenous Construction Monitors that are working on spread seven. 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 22nd to October 27th, 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	eastern stargrass (<i>hypoxis hirsuta</i>); RD#28 (SSKP 846+344) Rare plant area VG-82 <i>helianthus nuttallii</i> var. <i>rydbergii</i> tuberous rooted / <i>nuttall's sunflower</i> var. <i>rydbergii</i>		
Aquatic Life	N/A			
Animal Observations or Burrows	N/A			

Bird Nests	N/A			
Trees (Red Willow)	N/A			
Wetlands	N/A	wetland complex. (SSKP 901.51+901.57); Oct 25, 2018, Wetland MB-040 seasonal marsh (class 3)		
Watercourse Crossing	N/A			

Additional Observations and Summary of Activities or Concerns

On October 22nd, good house-keeping, slips, trips, falls. Always have your P.P.E. on when you're on site. Medic's-camp 1-780-329-9183. Emergency 911. Virden Hospital (204) 748-1230; Temp 7, UV index 2. Follow all bio security. Clean and disinfect your vehicle before going in restricted areas. Banister are using straw bales as an erosion control fabric woven as environmental protection; Temp 7, UV index 2. Follow all bio security. Clean and disinfect your vehicle before going in restricted areas. Banister are using straw bales as an erosion control fabric woven as environmental protection. Only in certain areas; SF12(SSKP 820 +100) Monitor Banister prepping the ditch to get the pipe installed. This area is by wetland - MB 1039; SF 23 (SSKP 830+400) Banister had to move the pipe over 2 to 3 meters over. The pipe was too close to the centre stake there wasn't enough room for the ditch wheel to do the ditching. The ditch wheel needs 5 meters on each side of the center stake; SF47 (SSKP 878+400) Monitor Banister prepping crew. They are doing a very good job of cleaning after the beveling is done; SF47 (SSKP 878+500) Monitor Banister set-up crew the crew is moving east very well.

October 23rd, Medic's camp-1-780-329-9183; Emergency 911; Virden Hospital (204) 748-1230; Temp 10, UV index 2 or low. Follow all bio security. Clean and disinfect your vehicle before entering any restricted areas; MB-129 Semi permanent marsh (class 3) wetland complex. (SSKP 901.51+901.57); SF1 (SSKP 808+568) Monitor Canadian Dewatering station. They have been dewatering this area for about 6 weeks now. They have pump out about 12000 cubes of water from this area. The water is pump to a filtered pig pen and the silt stays inside. The clean filter water then flows down the ditch going east; SF15 (822+125) Monitor Banister Tie-In crew. The crew was downing the tie-in at this site. The site was very clean; SF61 (SSKP 901.76) Monitor the water course crossing. MB-WC-30 ID# Drainage. This area is very well identity. There is also geo-tech laid down on this water crossing. Banister also built a ramp to get across the water crossing. Good job of taking care of this crossing; SF61 (SSKP 901.51+901.57) Monitor Wetland Area MB-129 Semi permanent marsh (class 3) wetland complex; Work forecast: Go back and monitor the row tomorrow.

October 24th, Tailgate meeting every morning before going on site; Medic's camp- 1-780-329-9183, Virden Hospital (204)748-1230, Emergency 911; Temp 14, UV index 2 or low. Follow all bio security. All sites are very clean; SF9 (SSKP 818+300) Monitor banister tie-in crew. The crew have started to back fill. They are doing more tie-in at this site; SF23 (SSKP 831+200) Banister has to preheat the pipe in the morning to get the frost off before they can use the jeeper. If they don't, the jeeper can't pick up any defects because of the moisture on the pipe. It's very important they do this before they buried the pipe so there is no defect in the pipe; SF63 (SSKP 904+400) Monitor the big dirty truck wash. Banister set up two wash stations at this site. After the equipment is washed and fine cleaned, they will be heading back to the boneyard of sf 4 to clean up operations. All sites are very clean; Work forecast: Go back tomorrow and monitor the sites.

October 25th, Medic's-camp 1-780-329-9183, Virden Hospital (204) 748-1230; Attended tailgate meeting; Temp 13, UV index. Wetland MB-040 seasonal marsh (class3); SF21 (SSKP 827+600) Monitor dewatering area at sf 21.They are pumping water from the ground to a holding tank. They do have a filter pig pen to keep the silt from going onto the land; SF22 (SSKP 829.47+829.81) Monitor Wetland MB-040 seasonal marsh (class 3) They also build a ramp and put down geo-tech to protect the wetland area when crossing with the equipment. Banister has done a good job of protecting all wetlands areas; SF52 (SSKP887+300) Monitor the main welding crew at sf 52. The crew will be crossing highway 10 today moving east down the row. All sites from the welding crew are nice and clean; SF28 (SSKP 841+300) Banister will be tramping the cattails with Argos and snow cats to make easier for them to cross with the equipment. This area is a wetland area MB-054 ephemeral/ temporary marsh (class 1/2) and also putting down geo-tech and building a ramp to get across; Work forecast: Go back and monitor the ROW tomorrow.

October 26th, Medic's camp 1-780-329-9183, Virden Hospital (204) 748-1230.; Make sure you have cell service or radio contact with your supervisor let him know where you going to be for the day; Temp 11, UV index 2 or low. Fog patches dissipating early in the morning. Follow all bio security; RD#1 (SSKP 808+568) RE-access the dewatering station. All lighting plants on site have drip trays; RD#25 (835+200) Monitor the ditch wheel. They had a break down with the ditch wheel. They were repairing the belt little bit of down time; RD#38 (SSKP 865+400) Monitor the coating crew. The crew is moving eastward and the site is very clean as they move forward; RD#54 (SSKP 891+000) Monitor the main welding crew. The welding crew is moving quickly and also the sites are very clean; Work forecast: Go back tomorrow and monitor the wetlands.

October 27th, Slips, trips, falls, weather, wildlife, medic's camp 1-780-329-9183, Emergency 911, Virden Hospital (204) 748-1230; Temp 7, UV index 1 or low. Fog patches in the morning. Minus 8 overnight; RD#28 (SSKP 848+800) Re-access wetland MB-071 semi-permanent marsh (class 4) wetland complex; RD#28 (SSKP 848+400) Re-access aqua dam wetland area MB-071 semi-permanent marsh (class 4) wetland complex; RD#28 (SSKP 846+600) Wetland crossing MB-068 broad leaf treed swamp. Rare plant observed eastern stargrass (*hypoxis hirsuta*); RD#28 (SSKP 846+344) Rare plant area VG-82 *helianthus nuttallii* var.*rydbergii* tuberous rooted /nuttall's sunflower var.*rydbergii*; Work forecast: Go back on Monday and monitor the ROW.

Photos of Sites Visited & Topics Discussed This Week

October 22, 2018



SF12 (SSKP 820 +100)

Banister prepping the ditch to get the pipe installed. Photo taken facing west.



SF23 (SSKP 830+400)

This is where banister moving the pipe over 2 to 3 meters. Making room for the ditch wheel. Photo taken facing west



SF23 (830+400)

This is some of the bales that banister will be using for environmental protection erosion control. Photo taken facing west.



SF47 (SSKP 878+400)

This is the prep crew After the beveling is complete This crew is doing a good job of cleaning

October 23, 2018

5.00 Photos



SF1 (808+568)

Canadian Dewatering Station
This is where the water is being pump to a holding tank from there it goes to the pig pen
Photo taken facing east



SF1 (808+568)

This pig pen from the dewatering station

Water is clean
Photo taken east



SF15 (SSKP 822+125)

This is the tie-in crew
The site is very clean and organized
Photo taken facing south



SF61(SSKP 901.76)

WATERCOURSE CROSSING
MB-WC-30
Photo taken facing west

Arnold Breland

October 24, 2018

5.00 Photos



SF 9 (SSKP 818+300)

Tie- In crew
As you see in the photo conditions are muddy
Photo taken facing east



SF 23 (SSKP 831+200)

Banister have started to back fill going east
Photo taken facing east



SF 23 (SSKP 831+400)

These guys are preheating the pipe so they could use the jeeper. The jeeper is use to find any defects.



SF 63 (SSKP 904+400)

This is the site where banister got two wash stations set up. Photo taken facing south.

Arnold Breland

October 25, 2018

5.00 Photos



SF21 (SSKP 827+600)

Dewatering area
This is the filter pig pen as you see in the photo there is very little silt in the box
Photo taken facing west



SF21 (SSKP 827+600)

This is the holding tank at the dewatering area they also have two filters.
Photo taken facing south.



SF22 (SSKP 829.47+829.81)

Wetland area MB-040
Seasonal marsh (class 3)
the wetland is very well protect with geotech
Photo taken facing east



SF28 (SSKP 841+300)

Wetland area MB-054
ephemeral/temporary marsh (class 1/ 2)
This is where they will be tramping the cattails. Photo taken facing west.

Arnold Breland

October 26, 2018



RD#1 (SSKP 808+568)

This is the dewatering station
Photo taken facing east



RD#25 (835+200)

This is where they are repairing the belt
Photo taken facing south



RD#54 (891+000)

This is the main welding crew as
you
see in the photo how clean the site
is

October 27, 2018



RD#28 (SSKP 848+400)

This is the area of the aqua dam
as you see in the photo how good of a job
they did building this dam
Photo taken facing west



RD#28 (SSKP 846+344)

Rare plant area VG-82
Nuttall's sunflower var. rydbergii
This area is very well identify
Photo taken facing east

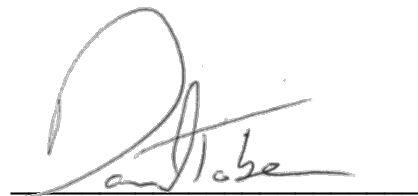
APPROVALS



Arnold Breland
Construction Monitor

November 13, 2018

Date



Daniel Tober
Senior Environmental Scientist

November 13, 2018

Date