

**SWAN LAKE FIRST NATION – MATRIX SOLUTIONS
INC. PARTNERSHIP**

INDIGENOUS CONSTRUCTION MONITORING

WEEKLY REPORT

SPREAD 9

NOVEMBER 19TH TO NOVEMBER 24TH

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 nine. 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 19th to November 24th, 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

Weekly activity included attending daily tailgate meetings and continue to check access points on the ROW and monitor Spread 9.

November 19, 2018 - Safety included: Slips, trips, falls: watch your footing. Wild-life: scan the ditches and practice defensive driving. Proper disposal of cigarettes butts. Vehicle: keep clean and wash it. Weather: Dress for it. Equipment vehicles, eye contact with operators, watch step, tie boots. Extreme weather. Drive to conditions, be aware. Congested worksites, be R.O.W. ready. Wear all P.P.E.

Weather forecast/Environment: -26degrees, Humidity at 82%, winds N 16 km/hr.

Help to keep clean R.O.W. clean of garbage and recycling. Keep land owner wishes honoured. Use access roads, stay off farmers' fields. Be aware of procedures on heritage sites. Understand language of Enbridge procedures.

General:

Today was given direction by our senior monitor to travel on the ROW and do sweeps sskp 1059+100 up to 1068+100 checking the clean-up crews to make sure they were in good cleaning order. We had travel to WC81-1095.780 and did some monitoring of installing the pipe and tie-ins and Rd 59b 1096+077 for the rest of the afternoon and did more sweeps on the ROW. Going to 1096+100 and did some monitoring till it got to congested it was getting late so heading back to office to do our reports.

SKP 1095.024 Here at the end of the line areas are extremely congested with personal and equipment as crews install tie-ins.

SSKP 1071.49-1071.71 (HER-176) Hemp mats along with silt fences laid out here at this KP in an attempt to help with wind erosion and further on in the spring season in 2019. Bridge here was removed and limited.

SSKP 1058 MB-WC 1006 MB-WC1005 (1057&180) Allot of activities. Equipment and men working. here at drainage. Area has limited access as crews are in preparation to have high pressure water test on pipe. Returned to Morden field office to compile daily report.

Work Forecast: Monitor spread #9

November 20, 2018 - Safety included: Slips, trips, falls: watch your footing. Wild-life: scan the ditches and practice defensive driving. Proper disposal of cigarettes butts.

Vehicle: keep clean and wash it. Weather: Dress for it. Show caution remain wary on right of way dangers or potential problems. Being attentive when on land, watching for wildlife. Communication is important to touch base to ensure all personal are safe. Incorporate buddy system. Be aware of muster points at field office and to sign on with other crews when available. Ensure P.P.E. is worn at all times. Ensure cold weather safety kits are available.

Weather forecast/Environment: -3degrees, humidity at 80%, winds N 11 km/hr. Continue to keep waste out of pipeline area. Being careful as to ignitions sources. Being aware of weather conditions. Be aware of extreme windy conditions

General:

Today was given direction by our senior monitor to travel to Rd 47 as they were taken out mats from access going east. We had travel to Rd 59 sskp 1095+173 as they were backfilling eastward as we monitored and it started to get congested. We had moved ongoing eastward to MB-WC8/82A(1096+210/1096+330) as they were backfilling there as well it was getting congested so we moved on to Rd 60 as they were doing Hydrovacing cathodic protection. We had to move from there it was too congested. SSKP 1025 Crew here are coating the tie ins and completing section welds and are moving as the UT and X-Ray crews are releasing them to do so. Area is quite congested with personal and equipment. SSKP 1096 Restoring Tie in ditch and back fill. Hydrovacing cathodic protection also Hydrovacing Enbridge crossing. Allot of activities and personal here with several different crews reading for the completion to Gretna pump stations. SSKP 1070.639 SSKP Quiet here at this KP Site removed bridges road approaches. Crews is headed eastward working on clean up. SSKP 1075 Disassemble bridges and road approaches. Returned to Morden field office to complete daily report.

Work Forecast: To continue monitoring spread 9

November 21, 2018 - Safety included: Slips, trips, falls: watch your footing. Wild-life: scan the ditches practice defensive driving. Proper disposal of cigarettes butts.

Vehicle: keep clean and wash it. Weather: Dress for it.

Show caution remain wary on right of way dangers or potential problems. Be attentive when on land, watching for wildlife. Communication is important to touch base to ensure all personal are safe. Incorporate buddy system. Being aware of muster points at field office and to sign on with other crews when available. Ensure P.P.E. worn at all times Ensure cold weather safety kits are available. Continue to keep waste out of pipeline area. Being careful as to ignitions sources. Being aware of weather conditions. Be aware of extreme windy conditions

General:

Today was given direction by our senior monitor to travel to Rd 47-1075.089 as we travel to check on the removing of the bridges, ramps and the road approaches as they were heading east. We had travel the ROW checking on the cleaning crews that were still cleaning the ROW from sskp 1070+000-1085+100 as we drove along watching for garbage/debris and any fallen stakes as well. Travelling to sskp 1058+202 to 1084+488 as they were doing assisting Testco with transfer of water the sections as they were getting the testing head ready. SSKP 1025 Monitored activity here at KP. Crew here are coating the tie-ins and completing section welds and are moving as the UT and X-Ray crews are releasing them to do so. Area is quite congested with personal and equipment also on other side of the road excavator digging for potential tie-in. SSKP 1087.606 Monitored area. Waited for scheduled approach installation and found there to be no activity.

SSKP 1084.600 Multiple crews here preparing for test head here. Spoke to head safety welder. Couldn't sign on to safety sheet as area was extremely busy. Drove R.O.W. SSKP 1070-SSKP 1087. Returned to Morden field office to complete daily report.

Work Forecast: To continue monitoring spread 9

November 22, 2018 - Safety included: Slips, trips, falls: watch your footing. Wild-life: scan the ditches and practice defensive driving. Proper disposal of cigarettes butts.

Vehicle: keep clean and wash it. Weather: Dress for it. Show caution remain wary on right of way dangers or potential problems. Being attentive when on land, watching for wildlife. Communication is important to touch base to ensure all personal are safe. Incorporate buddy system. Be aware of muster points at field office and to sign on with other crews when available. Ensure P.P.E. is worn at all times. Ensure cold weather safety kits are available. Continue to pick waste out of pipeline area. Being careful as to ignitions sources. Being aware of weather conditions. Be aware of extreme stormy conditions

General:

Today was given direction by our senior monitor to travel to Rd 60 sskp 1096+100 as we monitor as they began preparing and fill the line at Kroeker as it was getting to congested so we left. Travelling to Rd #59 as the clean-up crew was there and berm installation crew was working there as well sskp1095+173 heading westward. We had travelled to Rd# 49 as they were working on removing bridges, ramps, deficiencies and installing warning signs as required as they were getting ready to burn brush.

SSKP 1096.210-1096.330 Monitored activity here at KP. Restoring MB-WC82/82a. Crew here are back filling and the tie-ins and completing section bores 2. Area is quite congested with personal and equipment also on other side of the road excavator digging for potential tie-in. Crews are cleaning up and working on berm installs.

SSKP 1059 Monitored area. Waited for scheduled approach installation. Men and equipment working here turning R.O.W. back to the condition ditches were in prior to pipeline installation. Much activity happening here from road 58-road 59. Some areas were impassable as unloading of heavy equipment and bridge timer was being work on whole R.O.W. SSKP 1049 Crews here are returning R.O.W. back to preconditions by removing bridges ramps and approaches back to original conditions. Drove R.O.W. SSKP 1070-SSKP 1087 in search of garbage. Returned to Morden field office to complete daily report.

Work Forecast: To continue monitoring spread 9.

November 23, 2018 - Safety included: Slips, trips, falls: watch your footing. Wild-life: scan the ditches practice defensive driving. Proper disposal of cigarettes butts.

Vehicle: keep clean and wash it. Weather: Dress for it. Roads: frost and slippery drive to the condition. Show caution remain wary on right of way dangers or potential problems. Being attentive when on land, watching for wildlife. Communication is important to touch base to ensure all personal are safe. Incorporate buddy system. Be aware of muster points at field office and to sign on with other crews when available. Ensure P.P.E. is worn at all times. Ensure cold weather safety kits are available.

Weather forecast/Environment: -1degrees, Humidity 91%, winds SW5 km/hr.

Continue to keep waste out of pipeline area. Being careful as to ignitions sources.

Being aware of weather conditions. Be aware of extreme windy conditions

General:

Today was given direction by our senior monitor after our safety meeting to travel the ROW and check on the clean-up crew to make sure everything was in good shape. We monitored a few sskp's for the day we had travelled to sskp 1096+100 as we began monitoring the crews as they were backfilling around the trench box and getting ready to remove it .Travel to Rd.57 sskp 1082.090 as they were removing the bridge mats and approach removal. SSKP 1096 Extremely congested. Crews backfilling. Crew removing side rail. Area in state of restoring MB-WC82. SSKP 1051 area was extremely busy. Drove R.O.W. SSKP 1070-SSKP 1087. Returned to Morden field office to complete daily report.

Work Forecast: Continue monitoring spread 9

November 24, 2018 - Safety included: Slips, trips, falls: watch your footing. Wild-life: scan the ditches practice defensive driving. Proper disposal of cigarettes butts.

Vehicle: keep clean and wash it. Weather: Dress for it. Show caution remain wary on right of way dangers or potential problems. Being attentive when on land, watching for wildlife. Communication is important to touch base to ensure all personal are safe. Incorporate buddy system. Be aware of muster points at field office and to sign on with other crews when available. Ensure P.P.E. is worn at all times. Ensure cold weather safety kits are available.

Weather forecast/Environment: -5degrees, humidity 88%, winds NW14 km/hr.

Continue to keep waste out of pipeline area. Being careful as to ignitions sources.

Being aware of weather conditions. Be aware of extreme windy conditions

General:

Today was given direction by our senior monitor to travel to 1096.210-mb-wc82 it was too congested, monitored for the morning but left to many vehicles. Travelled along the ROW checking for debris and garbage as we travelled to HWY-3 as they on the south side as they were removing and stock piling the soil for the springs they need the area for parking. Travelled to the north side of HWY3 as we monitored the spreading of the top soil with an excavator and a dozer. SKP 1096 Extremely congested. Crews backfilling. Crew removing side rail. Crews in area in process of restoring MB-WC82 back to preconstruction. While monitoring area I found that safety was paramount. The flaggers were attentive to the extreme congestion while the vehicles and machinery were crossing highway and care was obviously used in the work being done.

SSKP 1051 area was extremely busy as most goings on with the remaining work consists of preparing the earth of reclamation in the spring of 2019. When applicable crews are working on the clean-up and complying to the main safety procedures of reclamation along the farmers agriculture crop approaches. It appears the supervisors and crew are at this location on road #51 finishing work on final pipe completion SSKP 1082.090. Drove R.O.W. SSKP 1070-SSKP 1087. Returned to Morden field office to complete daily report.

Work Forecast: To continue monitoring spread 9

Photos of Sites Visited & Topics Discussed This Week

November 19, 2018

Photo



Description & Location:

sskp 1096+100 picture was taken facing east

Photo



Description & Location:

sskp 1058+178 high pressure pipeline test picture was taken facing east

Photo



Description & Location:

SSKP 1095 looking east

Photo



Description & Location:

SSKP 1036 looking south

Photo



Description & Location:

road #43 looking south

Photo



Description & Location:

SSKP 1095 looking east

November 20, 2018

Photo



Description & Location:

sskp 1096+100 picture was taken facing east

Photo



Description & Location:

sskp 1058+178 high pressure pipeline test picture was taken facing east

Photo



Description & Location:

SSKP 1096 facing west

Photo



Description & Location:

excavators SSKP 1025 facing west

Photo



Description & Location:

SSKP 1075 facing north

Photo



Description & Location:

SSKP 1071 facing west

November 21, 2018

Photo



Description & Location:

SSKP1084+488 PICKTURE TAKEN FACING WEST

Photo



Description & Location:

sskp 1084+488 PICTURE FACING WEST

Photo



Description & Location:

SSKP 1025 facing west

Photo



Description & Location:

SSKP 1076.120 facing west

Photo



Description & Location:

SSKP 1084.700 facing west

Photo



Description & Location:

SSKP 1087 facing west

November 22, 2018

Photo



Description & Location:

Rd 49 facing south

Photo



Description & Location:

Rd 59 facing south

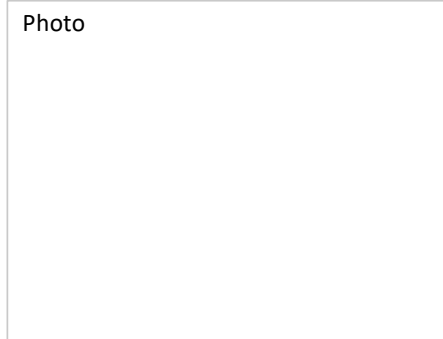
Photo



Description & Location:

SSKP 1096 facing east

Photo



Description & Location:



Photo



Description & Location:

road 49 facing west

Photo



Description & Location:

road 58-59 facing east

November 23, 2018

Photo



Description & Location:

SSKP1096+100 PICTURE
TAKEN FACING
EAST

Photo



Description & Location:

RD57 PICTURE WAS TAKEN FACING EAST

Photo



Description & Location:

Road 51 facing east

Photo



Description & Location:

SSKP 1096 west

Photo



Description & Location:

SSKP 1096 facing west

Photo

Description & Location:

November 24, 2018

Photo



Description & Location:

HWY 3 PICKTURE WAS TAKEN
FACING EAST

Photo



Description & Location:

HWY 3 PICTURE WAS TAKEN FACING
SOUTH

Photo



Description & Location:

Road 51 facing east

Photo



Description & Location:

SSKP 1096 west

Photo



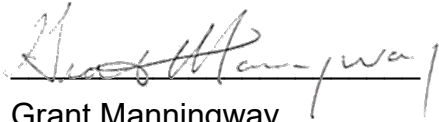
Description & Location:

Southside of Hwy#3 stock piling facing
north

Photo

Description & Location:

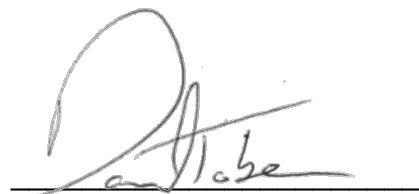
APPROVALS



Grant Manningway
Construction Monitor

January 14, 2019

Date



Daniel Tober
Senior Environmental Scientist

January 14, 2019

Date