

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

INDIGENOUS CONSTRUCTION MONITORING

WEEKLY REPORT

SPREAD 9

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 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 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			
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 activities on Spread 9.

October 22, 2018- Safety included: Tailgate meeting this morning
 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.

Slips trips falls.
 Tie boots watch step tree point contact.
 Be wary of equipment in high congestion area.
 Slow down meeting traffic. Drive to condition of road.

Weather forecast/Environment:

weather;	
Temperature	3 degrees
Humidity	48 %
wind	n14 km/hr
visibility	16.1 km

Help to keep clean R.O.W. clean of garbage and recycling.
 Keep land owner wishes honored. Use access roads, stay off farmers fields.
 While driving R.O.W. try not to create deep ruts for land owners.

General:

Today was given direction by our senior monitor to travel kp 1026.00+1027.00 and do a sweep and monitored as they were spreading the back fill and leveling the soil for the morning . We had travelled to 1053+000 in the afternoon there was excavating at TCPL at kp 1052+910 Rd35 (1056+282) and unnamed drain at 1054+179. Installation of trench box shoring at Rd# 33(1053+088) as we travelled and walk. As we monitored all afternoon. As it was getting congested with the equipment boom lifts, excavators and vac trucks at kp 1053+000. Travelled back to the office to do our reports for the day.

Temperature	-3.5 C
Chance of snow	0%
Wind	WNW 14 km/hr
Humidity	62%
Feels like	-5
Visibility	16.1
UV	0

SSKP 1093.426 Mainline coating crew
SSKP 1085.248 Bending crew and continue mainline backfill operations heading eastward.
SSKP 1054.179 (MBR-WC71) Hydro facing at TCPL crossing at Road #33 Excavating at unnamed drain at this KP.
SSKP 1049.100 (MBR-WC8) Boring at second TCPL crossing. Mob to road #54 On to SSKP 1071.49-1071.71 (HER)-176 monitored area. Here crew is setting up for pullback at Rosenheim Drain AKA Grass Dancing Creek. Noted that there was allot of congestion in area.
Made way to SSKP 1026.00 and SSKP 1027.00. noted DE compaction and machine clean up crews moving east.
Dead Horse Creek On both sides of the creek Backfilling removing mats restoring reclaiming. SSKP 1041.03 and 1041.44 (HER-175)
Made way back to Morden field office to complete report.

Work Forecast:

possibly go to sskp 1053+000

Monitor spread #9

October 23, 2018

Safety included:

Tailgate meeting this morning
Slips, trips, falls: watch your footing
Dangers today wet conditions and ice
wild-life: scan the ditches practice defensive driving.
Proper disposal of cigarettes butts.
Vehicle: keep clean and wash it.

Slips trips falls.
Tie boots watch step tree point contact.
Be wary of equipment in high congestion area.
Slow down meeting traffic. Drive to condition of road.

Weather forecast/Environment:

weather;
Temperature 8 degrees
Humidity 44 %
wind SE10 Km/hr
visibility 16.1 km

Help to keep clean R.O.W. clean of garbage and recycling.
Keep land owner wishes honored. Use access roads, stay off farmers fields.
While driving R.O.W. try not to create deep ruts for land owners.

General:

Today was given direction by our senior monitor to travel to straw crimping and seeding from RD 1008+061 heading east as I walk in 300 meters and did a sweep of the area it was in good shape as the picture is shown first part of the morning. Travelled to DEAD HORSE CREEK and monitored as they were taking the bridge down at kp 1041-79-wc#Mb-wc 1002 as shown in the picture below. Travel to 1054+000 as the tie-in and welding crews were there and spent the afternoon there monitoring and I did a sweep up to kp 1054+ 300 as they were set up along the area mentioned. Finished up the for the afternoon came back to office to do our reports and finished up the day.

Temperature	2.5 C
Chance of snow	0%
Wind	SE 4 km/hr
Humidity	44%
Feels like	2
Visibility	16.1
UV	0

Monitored SSKP 1078.00 Evidence of brown liquid throughout area Tackifier was through area.

On to SSKP 1071.782-(MB-WC76) monitored area. Here crew is cutting pull head off at Rosenheim Drain Noted that there was allot of congestion in area. Major movement loading Road bore.

Made way to SSKP 1026.00 and SSKP 1027.00.reclaiming area
Made way back to Morden field office to complete report.

Work Forecast:

possibly go to sskp 1054+000

Monitor spread #9

October 24, 2018

Safety included:

Tailgate meeting this morning
slips, trips, falls: watch your footing
wild-life: scan the ditches practice defensive driving.
Proper disposal of cigarette butts.
Vehicle: keep clean and wash it.

Slips trips falls.
Tie boots watch step tree point contact.
Be wary of equipment in high congestion area.
Slow down meeting traffic. Drive to condition of road.

Weather forecast/Environment:

weather;
Temperature -3 degrees
Humidity 85 %
wind se8 km/hr
visibility 16.1 km

Help to keep clean R.O.W. clean of garbage and recycling.
Keep land owner wishes honored. Use access roads, stay off farmers fields.
While driving R.O.W. try not to create deep ruts for land owners.

General:

Today was given direction by our senior monitor to travel north to sskp 1009.7 straw crimping and seeding heading east and everything was done clean up as well looked in very good shape. Travelled to 1031.09 it was too congested with equipment and crews. So we had travelled to 1035 and did a sweep of the area sskp 1035.13 WC# MBR-WC3 wet lands as they repaired the drainages with jute mat as well hemp matting as shown below. Travelled to DEAD HORSE CREEK and monitored as they were cleaning and hauling soil away to another area as picture shown for the morning. travelling to sskp 1048+950-1049+250 wet lands MBR-WC8 wet lands class 111 as we monitored for the afternoon as they were repairing the pipe area that collapsed and caved in the sides. Finished up and came back to office to do our reports for the day.

Temperature	3.5 C
Chance of snow	10%
Wind	SE 8 km/hr
Humidity	85%
Feels like	-6
Visibility	16.1
UV	0

SSKP 1031 Extreme congestion today.as decimation along with machine clean up crew. Compaction and rutting EN 1 Where wet soil contingency measures actions are implemented.

Monitored SSKP 1076 Enbridge has ensured sites of concern are identified on the EAS Marked and fenced so traffic can avoid these areas.

On to SSKP 1071.782-(MB-WC76) monitored area. No crews here today.

Made way to SSKP 1026.00 and SSKP 1027.00. Clean up crew here heading east.

On to SSKP 1035.07-(MBR-WC3) No activity here today.

Dead Horse Creek SSKP 1041.03 Hydrovacating CP and 1041.44 (HER-175) Removal of mats.

SSKP 1049 Restoring Hespler Drain(MBR-WC8) area congested with machinery installing pipe.

SSKP 1054.2 Checked on silt fence appears to be intact.

Returned to Morden field office to compile daily report.

Made way back to Morden field office to complete report.

Work Forecast:

Monitor Spread 9

Monitor spread #9

October 25, 2018

Safety included:

Tailgate meeting this morning
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 forecast/Environment:

weather;
Temperature 11 degrees
Humidity 72 %
wind SE10 km/hr
visibility 16.1 km

General:

Today travelled with senior monitor to check out sskp 1009.7, 1049.1, 1054.2, Rd 21 as they were spreading the soil second and the main top soil there were 3 dozers. There was one grader spreading the main top soil and leveling it out as we monitored for awhile. Then we had moved on to Escarpment sskp 1026.00-1027.00 did another sweep there and carried on to DEAD HORSE CREEK sskp 1041+000 and did a check around not much happening there. From there we travelled had gone to GRASS DANCERS 1071.49-1071.71 (HER-176) there was just a tanker (with the Tackification applicant) and a tackifier truck sitting there. We had come back to the office to meet with Greg Lewis and do our reports.

Work Forecast:

Monitor Spread 9

October 26, 2018

Safety included:

Tailgate meeting this morning .
slips, trips, falls: watch your footing.
Dangers today wet conditions.
wild-life: scan the ditches practice defensive driving.
Proper disposal of cigarettes butts.
Vehicle: keep clean and wash it.

Slips trips falls.
Tie boots watch step tree point contact.
Be wary of equipment in high congestion area.
Slow down meeting traffic. Drive to condition of road.

Weather forecast/Environment:

weather;
Temperature -3 degrees
Humidity 85 %
wind se8 km/hr
visibility 16.1 km

Help to keep clean R.O.W. clean of garbage and recycling.
Keep land owner wishes honored. Use access roads, stay off farmers fields.
While driving R.O.W. try not to create deep ruts for land owners.

General:

Today was given direction by our senior monitor to travelled 1071+000 Rosenheim Drain as they were putting on the top soil Tackification. We travelled to DEAD HORSE CREEK and monitored checked on the clean up crew was there hauling the rig matts out. We had left as it was getting congested with equipment . Travelled to 1035+000 and monitored there as they were spreading top soil the second and main soil. We had travelled back to the office to do our report for the day.

Temperature	6 C
Chance of snow	67%
Wind	WNW 8 km/hr
Humidity	85%
Feels like	6
Visibility	7.1 kms
UV	0

On to SSKP 1071.782-(MB-WC76) monitored area. No crews here today.
Made way to SSKP 1026.00 and SSKP 1027.00. Quiet here today

On to SSKP 1035.07-(MBR-WC3) No activity here today.
Dead Horse Creek SSKP 1041.03 Installing CP RD #26
and 1041.900 (HER-175) Removal of mats.
Returned to Morden field office to compile daily report.

Work Forecast:

possibly go to sskp

Monitor spread #9

October 27, 2018

Safety included:

Tailgate meeting this morning
Slips, trips, falls: watch your footing
Dangers today dusty conditions
Wild-life: scan the ditches practice defensive driving.
Proper disposal of cigarettes butts.
Vehicle: keep clean at all times

Slips trips falls.
Tie boots watch step three point contact.
Be wary of equipment in high congestion area.
Slow down meeting traffic. Drive to condition of road.

Weather forecast/Environment:

weather;
Temperature 8 -degrees
Humidity
wind sse6 km/hr
visibility 11.3 km

Help to keep clean R.O.W. clean of garbage and recycling.
Keep land owner wishes honored. Use access roads, stay off farmers fields.
While driving R.O.W. try not to create deep ruts for land owners.

General:

Today was given direction by our senior monitor to travel to sskp1041.790-mb-wc1002
DEAD HORSE CREEK did some monitoring as the crew was taking out the rig matts
and hauling them out on a semi. We had did a sweep after they finished and all was in
good shape. Travelling from there to sskp 1071.49-1071.71(HER-176) as there was

nothing going on as we made our way down to Rd # 22(1034+517 to Rd # 26(1040+673 heading eastward as the final cleanup was done we had did a sweep and travelled back to sskp 1054+000 as we had talked with Ken Sinclair who is in charge of looking after that job and explained how everything was going. We had monitored that area for the after noon finished there and travelled back to office to do our reports.

Temperature	-2 C
Chance of snow	10%
Wind	W 6 km/hr
Humidity	89%
Feels like	6
Visibility	8.1 kms
UV	0
Precipitation	0.3 cm

SSKP 1057 Priding Hesper Drain (MC-WC1005 1057+180)
SSKP 1057 Stripping unnamed tributary to Hesper Drain (MB-WC 1006 1057+770)
DHC SSKP 1041.03-1041.44(HER-175)
SSKP 1071.49-1071.71 A4her-176 Finishing up loading mats.
SSKP 1011 No activity here all signs down. No shoo-fly signs
SSKP 1026-1027 quiet here
Monitored SSKP 1034 Road #22
Monitored SSKP 1037.85 Road #23 these two KP's are continuing final clean up
SSKP 1054 Installing tie in and back filling Also Tackifier ready to spray. Spoke to foreman Ken Sinclair
Returned to Morden field office to compile daily report.

Work Forecast:

possibly go to sskp 1071-1073.600-her-176

Monitor spread #9

Photos of Sites Visited & Topics Discussed This Week

October 22, 2018



Description & Location:

sskp 1053+000 picture was taken south



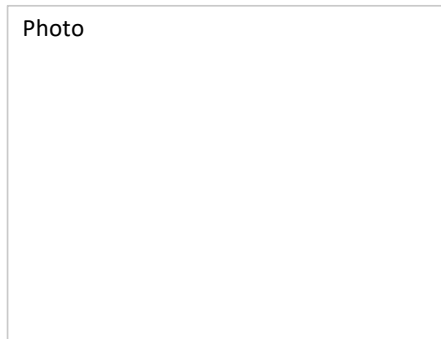
Description & Location:

RD(1053+088) as the picture was taken facing north west



Description & Location:

SSKP 1005 reclaimed fields

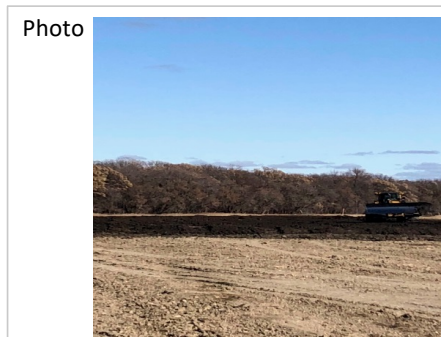


Description & Location:



Description & Location:

as close to the sskp as machines would let me pass

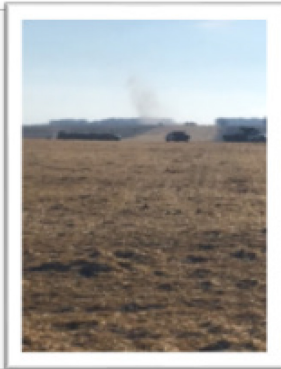


Description & Location:

SSKP 1027 machines leveling top soil

October 23, 2018

Photo



Description & Location:

Rd6 1008+061
picture was taken facing
east

Photo



Description & Location:

road 6 facing west

Photo



Description & Location:

picture was taken facing
north

Photo



Description & Location:

picture was taken facing north west
kp1041-79-wc # mb-wc 1002

Photo



Description & Location:

Photo



Description & Location:

SSKP 1071 equipment moving out

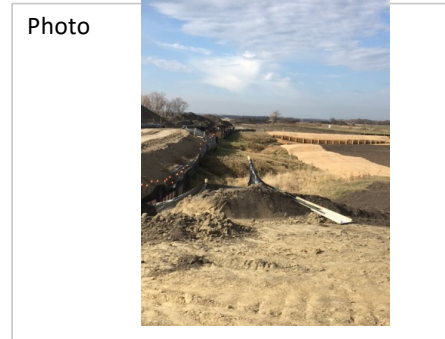
OCTOBER 24, 2018

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Description & Location:

sskp 1035+200 picture facing
west



Description & Location:

sskp 1035+200 as the picture was taken
facing west



Description & Location:

DEAD HORSE CREEK SSPK 1041-79
WATER CROSSING



Description & Location:

KKP 1041-79 DEAD HORSE CREEK

Photo



Description & Location:

SSKP 1035 looking west

Photo



Description & Location:

SSKP 1009 looking east

Photo



Description & Location:

SSKP 1048.950- 1049.230 looking west

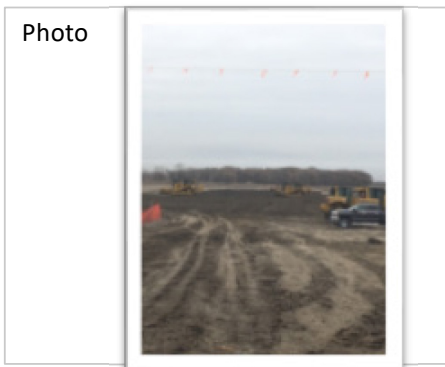
Photo



Description & Location:

SSKP 1048 looking east

OCTOBER 25, 2018



Description & Location:

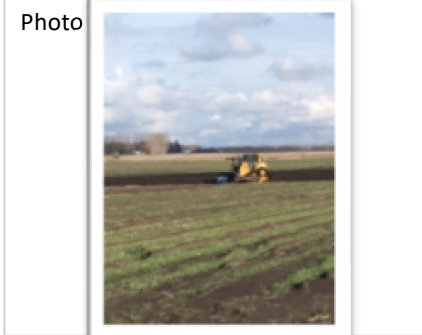
RD 21 PICTURE WAS TAKEN FACING
WEST



Description & Location:

RD 21 PICTURE WAS TAKEN FACING EAST

OCTOBER 26, 2018



Description & Location:

KKP 1035 PICTURE WAS TAKEN FACING EAST



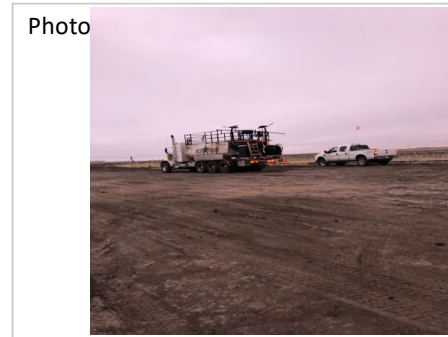
Description & Location:

DEAD HORSE CREEK KKP 1041+000 AS I TOOK THE PICTURE FACING EAST



Description & Location:

SSKP 1041 looking east



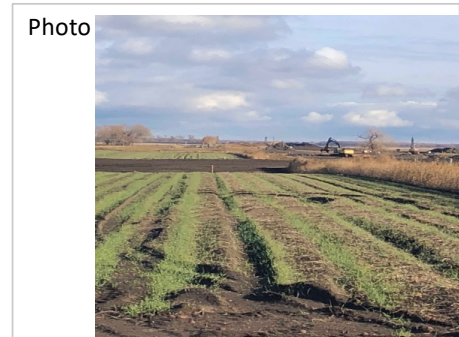
Description & Location:

Tackifier at SSKP 1071



Description & Location:

SSKP 1035 looking east



Description & Location:

SSKP 1035 facing east

OCTOBER 27, 2018



Description & Location:

Dead horse creek sskp 1041.790-mb-wc-1002
picture was taken facing east of the road to much traffic

Photo



Description & Location:

DEAD HORSE CREEK SSKP 1041+000
Picture facing south east

Photo



Description & Location:

SSKP 1071

Photo



Description & Location:

SSKP 1011

Photo



Description & Location:

SSKP 1041

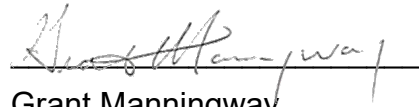
Photo



Description & Location:

Sskp 1054

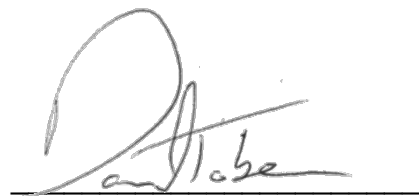
APPROVALS



Grant Manningway
Construction Monitor

January 14, 2019

Date



Daniel Tober
Senior Environmental Scientist

January 14, 2019

Date