

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

INDIGENOUS CONSTRUCTION MONITORING

WEEKLY REPORT

SPREAD 9

OCTOBER 27TH TO NOVEMBER 3RD

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 27th to November 3rd, 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

On October 29th, Slips trips falls, tie your boots, watch your footing; Communication; Un-controlled intersections; Congested areas; Awkward Body Positions; Wildlife; Defensive driving; Theft; Get a set of traction aids to prepare for icy conditions; Ensure fencing is in place where required; Ensure proper disposal and separation of garbage and recycling; Smoke in designated area's only; Proper disposal of cigarette butts.

Ensure vehicle/equipment is cleaned and inspected; Ensure Tires are cleaned and inspected; Vehicle is equipped with bleach and spill kits; Follow Bio-Security protocols; 6:00 AM Inspectors meeting, safety mentioned to be aware and cautious driving by land owners houses they may have pets running out as well wildlife in general driving down the back roads, as well to ensure workers sign off on work permits at end of the day. Environment had talked about Hespler Drain SSKP-1057.200-(MB-WC1005) being worked on today; 6:15 AM Environment meeting; Environmental Lead had assigned work day tasks for the Environment inspectors and had discussed sskp-1026-1027-(Escarpment) will have the topsoil sifted through to take out remaining loose roots; 7:00 AM Construction meeting, safety talked about preparing for slippery conditions by acquiring traction aids, utilizing defensive driving and topics discussed in the 6:00 AM inspectors meeting; Junior Monitor Lorne Parisian had wrote and conducted the safety meeting this morning talking about the hazards and controls for the work day, I had assigned SSKP'S to be monitored throughout the day for the junior monitors as well headed out and monitored SSKP'S of my own interest; Monitored SSKP-1054.200-(MBR-WC71) referring to section 6.0 and 10.0 in the E.P.P.; The native spoil piles that were used to restore the drainage were previously separated in a manner that did not interfere with natural drainage patterns as well located outside the of the wetland boundary to have no sediment enter drainage. Temporary erosions controls-(silt fencing and jute matting) have been properly installed. The silt fencing is in place to control flowing sediment from entering the drainage and the jute matting is to keep native topsoil in place and not get blown away during high winds or washed out during heavy rains. Controls will be in place and monitored until revegetation occurs, the wetland contours and drainage channels were restored to their pre-construction profile; Monitored Seeding at Rd.13, the seeding is occurring as soon as possible after topsoil replacement weather permitting, the equipment being used has met Enbridge environment inspectors standards and the equipment has been calibrated in accordance with the manufactures recommended procedures; Drove by the escarpment between Rd.17 and Rd.18 there was no construction commencing during that time and had also stopped by rd.25 and viewed reclamation occurring for short period of time; Finished off day compiling days information into daily report.

On October 30th, Slips trips falls, tie your boots, watch your footing; Communication; Un-controlled intersections; Congested areas; Awkward Body Positions; Wildlife; Defensive driving; Theft; Get a set of traction aids to prepare for icy conditions; Ensure fencing is in place where required; Ensure proper disposal and separation of garbage and recycling; Smoke in designated area's only; Proper disposal of cigarette butts.

Ensure vehicle/equipment is cleaned and inspected; Ensure Tires are cleaned and inspected; Vehicle is equipped with bleach and spill kits; Follow Bio-Security protocols; 6:00 AM Inspectors meeting, safety had talked about ensuring good housekeeping to help prevent slips, trips and falls as well to familiarize yourself with safety equipment in case it needs to be used and to keep mirrors, windows and sensors cleaned on equipment and vehicles. Environment had mentioned to keep an eye on filter bags and pig pens to ensure they do not get blown up, some areas need some attention to have debris picked up and to refer to Appendix D8 wet weather measures and protocols in the E.P.P. for today; 6:15 Am Environment meeting; Environment had touched base on topics discussed at the 6:00 AM morning meeting; 7:00 AM Construction meeting, safety talked same issues and topics mentioned in the 6:00 AM meeting as well as Environment; I had conducted the safety meeting amongst the crew this morning, I had decided that today would be a good opportunity for the junior monitors to spend some time reading and studying the environmental protection plan as it is too wet for right of way access for us monitors. I had given the junior monitors specific areas to study which include: Section 9.0 Watercourse crossings, section 10.0 wetland crossings and section 14.0 interim clean-up and final reclamation in hopes they will educate themselves and improve their value added into their daily reports referring to the sections and appendix's provided in the E.P.P. as well help the readers gain a better understanding of the precautions and procedures involved to help ensure the environment is not harmed and taken care of; developed a compressed help sheet with key components referring to section 9.0, 10.0, and 14.0 in the E.P.P. for the junior monitors to have easy access for the information they may require. Sometime was spent helping the juniors use the alignment sheet and refer it to the note package then onto the E.P.P. as well tried to explain the importance of using the E.P.P. in their reports and for personal knowledge gain; Finished off day compiling days information into daily report.

On October 31st, Slips trips falls, tie your boots, watch your footing; Communication; Uncontrolled intersections; Congested areas; Awkward Body Positions; Wildlife; Defensive driving; Theft; Get a set of traction aids to prepare for icy conditions; Ensure fencing is in place where required; Ensure proper disposal and separation of garbage and recycling; Smoke in designated area's only; Proper disposal of cigarette butts; Ensure vehicle/equipment is cleaned and inspected; Ensure Tires are cleaned and inspected; Vehicle is equipped with bleach and spill kits; Follow Bio-Security protocols; 6:00 AM Inspectors meeting, safety had spoken of being aware of weather conditions and be aware of working near ditches. Environment had mentioned to review Appendix D8 in the E.P.P.; 6:15 AM Environment Meeting; 7:00 AM Construction meeting; In the meeting staying off mud roads was a safety topic as well using a spotter when equipment is going underneath over-head powerlines. Environment mentioned again to check on filter bags so they do not blow up and release sediment and to review Appendix D8 in the E.P.P.; Drove to the Escarpment Rd. 18 facing east, nothing was happening there, made my way down to Dead Horse Creek and viewed De-Compaction machine clean-up. Not much monitoring had occurred today based on the R.O.W. being to muddy. Spent duration of the day working in the office continuing making help sheets for the junior monitors to try and help with having value added to their reports;

No pictures for the day, cell phone was out of order; Finished off day compiling days information into daily report.

November 1st, Slips trips falls, tie your boots, watch your footing; Communication; Uncontrolled intersections; Congested areas; Awkward Body Positions; Wildlife; Defensive driving; Theft; Get a set of traction aids to prepare for icy conditions; Ensure fencing is in place where required; Ensure proper disposal and separation of garbage and recycling; Smoke in designated area's only; Proper disposal of cigarette butts; Ensure vehicle/equipment is cleaned and inspected; Ensure Tires are cleaned and inspected; Vehicle is equipped with bleach and spill kits; Follow Bio-Security protocols; 6:00 AM Inspectors meeting, safety had mentioned to ensure fire extinguishers are checked, when driving under powerlines ensure to use a spotter, make sure windows and mirrors are defrosted and cleaned for good visibility and all PPE is worn. Environment had mentioned that spring preparedness will be in effect soon; 6:15 AM Environment Meeting; 7:00 AM Construction meeting; Safety mentioned and discussed topics from the 6:00 AM meeting and added to ensure vehicles fluid are changed to winter specific (windshield washer fluid etc); Environment had mentioned spring preparedness in this meeting as well the 6:00 AM morning meeting; Junior Monitor Lorne Parisian had conducted this morning's safety meeting, I had assigned SSKPS to the juniors as well given myself SSKP'S of interest to monitor; Monitored Rd.27 South of Dead Horse Creek referring to section 14.0 in the E.P.P.; Equipment was spreading soils evenly as possible over the areas that have been disturbed due to construction, due to previous wet weather extra care is being taken into effect to ensure compaction alleviation measures are effective; Monitored Wash station located at land boundary in Rd.27 referring to Section 6.0 and Appendix G in the E.P.P.; wash station was set up and being used to clean equipment passing through land boundaries, this is put in effect to due land sensitive areas in which can have soil diseases. Cleaning and disinfecting the equipment prevents the spread of soil disease and is in compliance with Enbridge's protocols as well respecting land owner agreements.

November 2nd, Slips trips falls, tie your boots, watch your footing; Communication; Uncontrolled intersections; Congested areas; Awkward Body Positions; Wildlife; Defensive driving; Theft; Get a set of traction aids to prepare for icy conditions; Ensure fencing is in place where required; Ensure proper disposal and separation of garbage and recycling; Smoke in designated area's only; Proper disposal of cigarette butts; Ensure vehicle/equipment is cleaned and inspected; Ensure Tires are cleaned and inspected; Vehicle is equipped with bleach and spill kits; Follow Bio-Security protocols; 6:00 AM Weekly Safety Meeting, safety had gone over the weeks safety incidents and went over controls in place to help prevent such incidents, as well touched base on ensuring to wear all PPE, ensure others are wearing their PPE and don't text and drive; 6:15 AM Inspector meeting, Environment had talked about continuous inspections for watercourse restorations and clean up; 6:25 AM Environment Meeting, Environment lead had stressed to the environment inspection team to be more strict on final clean-up crews to ensure proper reclamation; 7:00 AM Construction Meeting; Same discussions that had occurred in the 6:00 to 6:15 AM meetings; Junior Monitor Lorne Parisian had conducted this morning safety meeting discussing hazards and controls for the work

day ahead of us, I had assigned SSKP'S for the juniors to be monitored as well I had given myself SSKP'S to be monitored; 9:00 AM Weekly Progress Meeting; Weekly progress numbers were mentioned, safety discussed safe cribbing techniques as well informed us there will be heavy water tanker traffic next week and to be aware and cautious. Environment spoke of Bio-security measures and requirements are being met and ongoing reference to Appendix D8 in the E.P.P. due to wet soils. Monitor for Kaepla had mentioned the Escarpment is cleaned and rid of loose roots and rocks and is in great condition; Made my rounds to the Rd.18 facing West (Escarpment), as well viewed crimping and drove by Dead Horse Creek-(HER-175); a farm tractor was disking the spread top soils South of Dead Horse Creek, Bio Security measures were being taken into effect at the Land boundaries ensuring the spread if soil disease does not occur; Made way to watercourses-(MB-WC1006-MB-WC1005), I could not get into sites due to R.O.W. condition as well areas were congested so it was safer to stay clear, I did notice de-watering stations set up with pumps on drip trays to prevent spills and leaks from getting on the R.O.W. and soils as well pig pens were set up consisting of filter bag inside of geotec to act as a double filtration system controlling sediment release; Finished daily report and having weekly crew meeting with Matrix general manager Greg Lewis;

November 3rd, Slips trips falls, tie your boots, watch your footing; Communication; Un-controlled intersections; Congested areas; Awkward Body Positions; Wildlife; Defensive driving; Theft; Get a set of traction aids to prepare for icy conditions; Ensure fencing is in place where required; Ensure proper disposal and separation of garbage and recycling; Smoke in designated area's only; Proper disposal of cigarette butts; Ensure vehicle/equipment is cleaned and inspected; Ensure Tires are cleaned and inspected; Vehicle is equipped with bleach and spill kits; Follow Bio-Security protocols; 6:00 AM Inspectors meeting, safety had mentioned to stay clear and don't drive to close to bell holes when workers are working, it may sluff in. Complete vehicle pre-trips and be aware of slips trips and falls. Environment had touched base on following appendix D8 wet soils for final clean-up; I had taken the Liaison to the airport so I had missed the rest of the morning meetings. The junior monitors were left with direction prior to me leaving and Lorne Parisian was in charge of conducting the morning safety meeting; When I had returned to work I had made my rounds of checking on required SSKPS for N.E.B. compliance. These sites are Rd.17-18-(Escarpment), SSKP 1041.03-1041.44-(Dead Horse Creek-HER-175) and 1071.49-1071.71-(Grass Dancers-HER-176); There is nothing happening at these sites at the moment, the escarpment will be worked on in the following day or two so a point will be made to monitor the R.O.W.; Finished off day compiling days information into daily report.

Photos of Sites Visited & Topics Discussed This Week

October 29, 2018



Farm tractor with seeder attached
Rd.13. Photo facing North East



Jute Matting at MB-WC71-1054.200. Photo
taken facing West

November 2, 2018

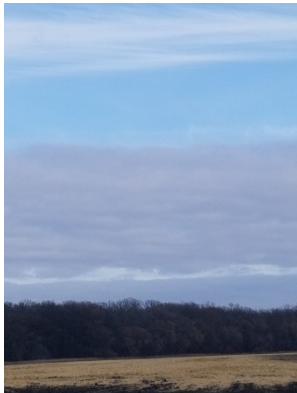


Dozer Pushing Dirt Rd.29, Photo taken facing
North



Rd.27 Facing north Tractor disking area South of Dead Horse Creek

November 3, 2018



Crimping heading East towards the Escarpment Rd.17. Photo facing East

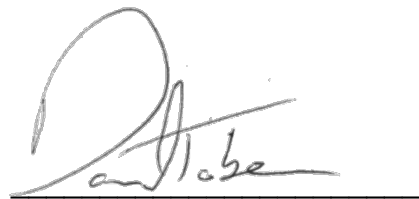
APPROVALS



Corey Monkman
Senior Construction Monitor

November 14, 2018

Date



Daniel Tober
Senior Environmental Scientist

November 14, 2018

Date