



SGS MUSCOWPETUNG

ABORIGINAL CONSTRUCTION MONITORING

WEEKLY REPORT

SPREAD 6

JANUARY 3RD TO JANUARY 6TH, 2019

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)	2	740 + 101 - 740 +900 TLU 786 + 600 – 788 + 300 Stoney Creek DkMi-4 HER - 140	Excavating ditch line	Monitoring
Rock Formations (rocks of significance, tipi rings, etc.)				
Artifacts				
Bones				
Potential Gravesites				

Environmental Features

Field Observation	# of occurrences	Description and Mitigation Measures	Mitigation Status	Further Action Required (Yes/No)
Medicinal or Cultural Plants				
Aquatic Life				
Animal Observations or Burrows				
Bird Nests				
Trees (Red Willow)				
Wetlands	3	SK 771 Class V (Pond) SK 799 Class IV Marsh SK 805.class V (Pond)	Stripping/excavating ditch line though wetlands	Monitoring
Watercourse Crossing	1	WC 81 Drainage (NFB)	Excavating ditch line completed as per EPP	No

Additional Observations and Summary of Activities or Concerns

Returning after the Holidays, everyone was reminded to stay focussed and put minds back on work. Safety focussed on driving. Reminders to take caution when travelling to work in the morning, it is still dark outside when we travel to work and with the winter conditions roads may be slippery. Additional reminders this week included traction aids while walking on sites. Stop make eye contact with equipment operators before driving by, areas may be congested, situational awareness and safety equipment inspections on trucks.

This week Crews continued clean-up of the right of way. Fixing signage, goal posts and snow fences. Broken skids along the pipeline routes were cleaned up and skids pipe was moved off were loaded and hauled off site by the utility crews. A crew travelled to spread seven to dismantle and clean up the welder's yard. The right of way, extra work spaces, equipment yards and all areas used for the pipeline must be maintained in a clean condition always. Litter cannot accumulate at any location Enbridge ensures the contractors provide daily clean-up crews to keep the construction right of ways clear of trash, wastes from coating and welding products. Defective material and debris as small as sunflower seeds are not allowed on the pipeline project. The night shift pumped water out of ditches and bell holes.

Mainline ditching started up again at 779 + 400 with dozers cutting and clearing roach piles followed by the ditch wheel cutting through the frost. The Track hoes completed the ditch excavations behind the ditch wheel utilizing spotters. Over 5000 meters of ditch were excavated this week finishing at 788 + 352. The excavated ditches are followed by lowering in of product pipe. This week from 779 + 400 – 781 + 800 (2400m) of pipe was lowered into the ditches.

Tie in excavations were completed at 729 + 300 with 2 welds completed. At 749 + 480 60m of ditch was excavated for tie ins, ultrasonic testing on the pipe was completed as well. An open cut road excavation at 723 + 310 was completed this week. 718 + 254 four joint five B section and a three-joint wing section were lowered in with tie in welds and section tests completed. Our team monitored /excavations and tie ins at various locations this week. Backfilling in these areas were completed through 719 + 076 – 719 + 740 over 300m total including SaskTel lines and backfilling at the Lang bank station. Shading of pipe in the ditch using the track hoe with strainer bucket and rock mitigation by inspectors was done during the backfilling process.

Our team Monitored Tie in/wetland ditch excavation at 725 + 325 ditch excavated for bend section and RM road allowance. And through SK 771 Class V (Pond) WC 81 Drainage (NFB) 725 + 225 ditch line excavated (stripped) for tie in with top layer of WC and wetland separated and placed on work side. track hoes excavated ditch with soil placed in separate piles. Product pipe lowered in and tie in completed. Additional wetland monitoring of track hoes excavating through wetland SK 799 Class IV Marsh at 730 +000 wetland top layer stripped with geo teck placed on top. Ditch line excavated with track hoes, soil piles places in separate piles. Product pipe lowered in and bag weights were installed. Tie in and sand shading of pipe completed before backfilling. Top layer stripped at SK 805.class V (Pond) with top layer stripped geo teck placed on top and seconds placed on top the geo teck for proper soil separation.

Monitored 740 + 230 300m of ripping and excavating ditch completed, Track hoes excavated ditch placing top layer on work side, seconds and clay were loaded onto rock trucks and piled along right of way east side. Side booms lowered in four joint section prepped for tie in. At 741 + 630 – 740 + 860 75m of ditch line ripping completed.

Our team monitored right of way activities through Stoney Creek. At access road 785 + 051 observed the HD Bore – The rig was moved onto site and set up/prepped for drill. Crew drilled 61/2 “pilot hole there was heavy rock content in the bore path. 24” ream was completed and 38” reamer was added HD rig reamed through bore path, Product pipe was installed and pulled through for completion. Vac trucks were at bore site and two slurry pits were constructed on south and east side of road for catchment containment of liquids. Within this right of

way is Stoney Creek Archaeological site HER 140 our team monitored mainline ditching activities. Dozers cut ditch line and pushed roach to work side. Followed by the ditch wheel behind opening ditch breaking the frost and track hoes behind digging out the ditch. Ditch line / work side is located on north side of the right of way. Tires were placed on bridge over SK WC 89 for equipment crossing. Excavating with dozers and ditch wheel was completed opposite side of the right of way along the area of interest roped off with the HER markers.

At the Pipestone Creek east side Cromer station hydro vac excavations continued from 806 + 720 – 806 + 975 on the Enbridge cable (hot lines) and pipe crossing. 807 + 600 Access ramp installed/completed with matts and geo teck for equipment crossing over Midstream line.

Additional right of way activities observed this week were coating pipe, crews cleaning ice and snow off product pipe and proper fuelling procedures were maintained outside the 100m buffer zone.

Our team continues to monitor pipeline construction activities.

Photos of Sites Visited & Topics Discussed This Week



786 + 500 ditch wheel excavating ditch



785 + 051 Track hoes excavating ditch line



785 + 051 HD bore at access road



725 + 225 Wetland SK 771 Trachoes stripping top layer



731 + 575 Wetland SK 805 Track hoe stripping upper layer



740 + 100 lowering pipe into ditch



740 + 100 lowering pipe in ditch

Approvals

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January 6th, 2019

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January 9th, 2019

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