



SGS MUSCOWPETUNG

ABORIGINAL CONSTRUCTION MONITORING

WEEKLY REPORT

SPREAD 3

OCTOBER 16TH TO OCTOBER 22ND, 2017

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)	0			
Rock Formations (rocks of significance, tipi rings, etc.)	0			
Artifacts	0			
Bones	0			
Potential Gravesites	0			

Environmental Features

Field Observation	# of occurrences	Description and Mitigation Measures	Mitigation Status	Further Action Required (Yes/No)
Medicinal or Cultural Plants	0			
Aquatic Life	0			
Animal Observations or Burrows	0			
Bird Nests	0			
Trees (Red Willow)	0			
Wetlands	0			
Watercourse Crossing	2	WM1 Canal ROW, South Saskatchewan River	ongoing	No

Additional Observations and Summary of Activities or Concerns

Directional drilling at RD 34 SSKP-330+778 WM1 Canal was completed and pipe was pulled through. When they were going to tie it in on the west end a gouge was discovered in the pipe from a rock. They dug on the west side of the canal looking for the rock which was discovered 30m in and was removed. Planning is in the works on what to do with gouged pipe underneath the canal. They started another horizontal directional drilling at a canal on Road 43 this is ongoing now. The horizontal drilling at the South Saskatchewan River they were at 1070 metres in when they fracked out at approx. 250 m of the exit point of the drilling. The frack was discovered very early and they had stopped drilling and it tripped back. The fluid was contained and now they were tripping back in slowly with less pressure. This is where they are at regarding that canal.

Water sampling at South Saskatchewan river from Golder Associates has remained the same, no change in the turbidity in the water.

My colleagues had met with an archaeologist at SSKP 390.957 RD 65 they had assisted them at looking at top soil stripping at a bell hole. They found fragments of buffalo bones they might be potential of other artifacts but this will be determined later in the week as the weather wasn't cooperating with us.

We again observed the ditching crew and the backfill crew to make sure that there has been no artifacts found during the process of ditching. Also observing the top soil stripping crew to also ensure that no artifacts were found in their process as well.

From the Environmental team's perspective there are currently no Issues that we are aware of.

Photos of Sites Visited & Topics Discussed This Week \



Buffalo Fragments



Site of Frack process of being cleaned up.



Site of frack



Horizontal directional drilling rig at South Saskatchewan River



McDonald Creek



Retrieving water samples at South Saskatchewan River



Tie in pipe at McDonald Creek



Unknown (arrowhead?)

Approvals

Prepared by



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October 22, 2017

Reviewed by



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October 24, 2017

Approved by



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October 24, 2017