



SGS MUSCOWPETUNG

ABORIGINAL CONSTRUCTION MONITORING

WEEKLY REPORT

SPREAD 3

OCTOBER 23RD TO OCTOBER 29TH , 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 | 1 | Found at Topsoil. SGS and an Archeologist walk through the area. | Completed | No |
| 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 | 1 | Fish salvage at a creek crossing. | One brown Sickleback fish salvaged | No |
| Animal Observations or Burrows | 0 | | | |
| Bird Nests | 0 | | | |
| Trees (Red Willow) | 0 | | | |
| Wetlands | 0 | | | |
| Watercourse Crossing | 2 | Creek crossing and South Saskatchewan River Crossing. Horizontal directional drilling and testing the water turbidity. | Creek crossing completed. South Saskatchewan Crossing ongoing. | Ongoing |

Additional Observations and Summary of Activities or Concerns

The horizontal directional drilling at the South Saskatchewan River with the pilot reamer has been completed. There was a few fracks that happened at approx. 300m of the exit point. The drilling fluid from the fracks was contained by installing Geotech and sandbag dykes. It was cleaned up as much as possible with pressure spray wash and hydro vacuuming it out. End of the week they were preparing to start the 24-inch diameter reamer.

There was a fish assessment at a creek crossing by Golder Associates whom discovered brown sickle fish down stream from the creek. It was determined that there was a potential for fish where the pipeline is going to cross the creek. They isolated where the creek crossing is going to be and a fish salvage was performed and one brown sickle fish was salvaged. They used the electro fish device to perform the fish salvage.

My colleagues have been observing the back-filing crew for any potential of artifacts or bones

They have started the final clean up of the right of way from kick off. They are pulling the transition soil evenly across the right of way and the top soil after that. I have not come across any environmental issues at this time.

Photos of Sites Visited & Topics Discussed This Week



Pilot reamer of the horizontal drilling exit point at South Saskatchewan River



One brown sickle fish that was salvaged at the creek crossing



performing a fish salvage



Welding up pipe at the creek crossing



FRACK OCCURRING NEAR EXIT POINT.



CLEANING UP THE FLUID FROM A FRACK

Approvals

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October 29, 2017

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October 31, 2017

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October 29, 2017