



SGS MUSCOWPETUNG

ABORIGINAL CONSTRUCTION MONITORING

WEEKLY REPORT

SPREAD # 3

DECEMBER 11TH TO DECEMBER 17TH, 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	1	South Saskatchewan River Crossing. Horizontal directional drilling and testing the water turbidity.	South Saskatchewan Crossing ongoing.	Ongoing

Additional Observations and Summary of Activities or Concerns

The horizontal directional drilling at the South Saskatchewan River is currently still ongoing process. Mears group had reached 650 metres with the 48-inch reamer then they had to trip back out and clean out the bore. As of yesterday, they were at 80 metres tripping back in.

Testing of the water turbidity by Golder Associates is still ongoing and has remained consistent throughout the week.

Backfilling has been all completed on spread three and cleaning up of the right of way is ongoing currently.

Currently on the hydro test they are still cleaning the pipe from kick off to road 36.

Currently Tackifying crew is still working on spraying down the top soil piles with tree sap/water solution this is a soil erosion prevention method.

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Photos of Sites Visited & Topics Discussed This Week



PIGS THAT CAME OUT OF THE MAINLINE AFTER HYDRO TEST



REPAIRING COATING



TRIPPING BACK AT ENTRY POINT



☉ 233°SW (T) ☉ 51°27'26"N, 107°25'44"W ±16.4ft ▲ 1940ft



15 Dec 2017, 14:50

TACKIFYING SOIL EROSION PREVENTION METHOD



HORIZONTAL DIRECTIONAL DRILLING ENTRY POINT

South East Elevation

☼ 314°NW (T) ● 51°34'21"N, 107°54'3"W ±16.4ft ▲ 1927ft



12 Dec 2017, 09:06

SETTING IN TEST HEAD TO BE WELDED FOR HYDRO TEST



GOLDER ASSOCIATES WATER SAMPLING



CLEANING UP GEOTECH

CLEANING UP GEO TECH



TACKIFYING SOIL ERROSION PREVENTION METHOD

West Elevation

⊗ 87°E (T) ⊙ 50°59'44"N, 106°5'51"W ±98.4ft ▲ 2008ft



11 Dec 2017, 12:40

BACKFILLING WETLAND

West Elevation

☼ 71°E (T) ● 51°21'20"N, 107°0'7"W ±16.4ft ▲ 1727ft



HYDRO TEST



BACKFILLING WETLAND



CLEANING UP RIGHT OF WAY

Approvals

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December 17, 2017

Reviewed by



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Project Manager

December 18, 2017

Approved by



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December 19, 2017