



DILLON
CONSULTING

ENBRIDGE PIPELINES (NW) INC.

Equipment List

Line 21 Planned Maintenance at KP 158 near Little Smith Creek

Enbridge Pipelines (NW) Inc. is proposing to replace a segment of the Line 21 pipeline southeast of kilometre post (“KP”) 158 near Little Smith Creek in the Northwest Territories (“the Project”). This document forms part of an application package prepared to satisfy the requirements of the Sahtú Land and Water Board for a Type A Land Use Permit and Type B Water License.

Table 1 provides a list of equipment that is anticipated to be required for Project construction.

Table 1: Project Equipment List

Number	Type/Description	Size (Weight)	Proposed Use
1	150 HDD Rig (330,000 pound pull-back; includes shale bins, mud tank, centrifuge/reclaimer)	< 100,000 lbs	Pipeline installation
1	Boiler	< 75,000 lbs	Heating water
1	Centrifuge (MiSwaco) MQ Genset	< 50,000 lbs	Separating water from drilling mud
1	Change Shack	< 50,000 lbs	Shack for personnel to change
1	Drill Cab	< 25,000 lbs	HDD rig control centre
1	Drill Rig Truck	< 25,000 lbs	Vehicle to move the drill rig
2	Enviro Can	< 50,000 lbs	Disposable storage for contaminated waste
1	JD 290	< 75,000 lbs	Excavation or positioning equipment
1	Mud System	< 75,000 lbs	For handling of mud
1	Office Trailer	< 50,000 lbs	Office space for field personnel
1	Power Unit	< 75,000 lbs	Unit to power HDD rig auxiliary equipment
1	Pump - 350 OPI	< 50,000 lbs	Unit for moving drill mud
2	Shale Bin	< 50,000 lbs	Bin to hold drilling waste
1	Rig Stand	< 25,000 lbs	Lifting HDD rig to the required angle for drilling
1	Road plate, 2 cuttings tubs, MQ generator, Exit brake out/make up tongs	< 75,000 lbs	HDD rig auxiliary equipment
3	Support Trailer	< 75,000 lbs	Trailers for misc. purposes
1	Tool Van	< 75,000 lbs	Van for tools
2	Water Tank (400 bbl)	< 25,000 lbs	Water storage
1	D8 Dozer	< 100,000 lbs	Earth moving or anchoring barges
1	Cat 329	< 75,000 lbs	Earth moving
1	Fire Cart	TBD	Fire-fighting
15	Light Duty Vehicles	< 25,000 lbs	Personnel movement

Number	Type/Description	Size (Weight)	Proposed Use
3	Side-by-sides	< 25,000 lbs	Personnel movement
2	JD 850 Side Boom	< 50,000 lbs	Lifting pipe for pipe insertion
1	JD 470 Hoe	> 100,000 lbs	Earth moving
1	Warehouse	TBD	Storage of equipment and tools
2	Welding Rig	TBD	Welding of pipe strung on the ROW
1	JD 624 Loader	< 50,000 lbs	Placement of matting on ROW
1	JD 850 Dozer	< 50,000 lbs	Earth moving
1	D6 Dozer	< 60,000 lbs	Earth moving
3	Track Hoes	330 size(<80,000)	Earth moving
1	Picker Truck	30 to 45 ton	Material handling
2	RT 665 Terex Crane	< 100,000 lbs	Lifting pipe for pipe insertion
1	Tow Tractor with Blade	??	Towing and snow clearing
1	Sandblast and Coating Truck	TBD	Pipe preparation prior to field welding and coating pipeline in the field
25	Light Plants	< 1,500 lbs	Light area
5	Generators	TBD	
1	Hydrovac Truck	TBD	TBD
TBD	Box Trucks	TBD	TBD
TBD	Water Trucks	TBD	TBD
18	Roller for HDD	< 2,500 lbs	Lifting pipe for pipe insertion
TBD	Low Beds	TBD	Hauling Equipment