

**Appendix G**  
**Waterbodies in Minnesota within One Mile Downstream of**  
**Crossings**

This information was not previously submitted as part of the Enbridge Energy, Limited Partnership Application for a Pipeline Routing Permit on April 24, 2015.

**Line 3 Replacement Project  
Waterbodies in Minnesota Within One Mile Downstream of Crossings**

Milepost	Feature Unique ID Number	Waterbody	Waterbody Type	Agency Designation	Impairment	Proposed Crossing Method <sup>a</sup>	Alternative Crossing Method <sup>b</sup>	MPCA Classification
<b>Kittson County</b>								
801.8	s-160n50w5-a	Red River of the North	River/Stream	Public Water, Impaired Water	Mercury, PCB	HDD	Open cut	1C, 2Bd,3C
802.9	s-160n50w10-a	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
	Drains to the Red River approximately 0.5 mile away into a segment that is designated as a MNDNR Public Water, Impaired (mercury and PCBs in fish in 2012 and 2014), and a canoe route.							
803.6	s-160n50w15-a	Unnamed Stream	River/Stream	None	None	Wet open cut	Dry Crossing	
	Drains to the Red River approximately 0.1 mile away into a segment that is designated as a MNDNR Public Water, Impaired (mercury and PCBs in fish in 2012 and 2014), and a canoe route.							
803.9	s-160n50w15-b	Unnamed Stream	River/Stream	None	None	Wet open cut	Dry Crossing	
	Drains to the Red River approximately 0.3 mile away into a segment that is designated as a MNDNR Public Water, Impaired (mercury and PCBs in fish in 2012 and 2014), and a canoe route.							
805.4	s-160n50w23-a	Unnamed Stream	River/Stream	Public Water	None	Wet open cut	Dry Crossing	2B,3C
	Drains to an unnamed stream approximately 0.1 mile away into a segment that is designated as a MNDNR Public Water.							
805.8	s-160n50w25-a	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
807.0	s-160n50w25-b	Unnamed Ditch	Drainage Ditch	None	None	Bore	Wet Open Cut	
808.4	s-160n49w32-a	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
808.6	s-160n49w32-b	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
809.8	s-159n49w4-a	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
810.0	s-159n49w4-b	Unnamed Ditch	Drainage Ditch	None	None	Bore	Wet Open Cut	
810.0	s-159n49w9-a	Unnamed Ditch	Drainage Ditch	None	None	Bore	Wet Open Cut	
811.3	s-159n49w9-b	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
811.5	s-159n49w15-a	Unnamed Ditch	Drainage Ditch	None	None	Bore	Wet Open Cut	
812.7	s-159n49w15-b	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
812.8	s-159n49w23-b	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
814.0	s-159n49w23-a	Unnamed Ditch	Drainage Ditch	None	None	Bore	Wet Open Cut	
814.0	s-159n49w26-a	Unnamed Ditch	Drainage Ditch	None	None	Bore	Wet Open Cut	
815.6	s-159n49w36-a	Judicial Ditch 10	Drainage Ditch	None	None	Wet open cut	Dry Crossing	2B, 3C
<b>Marshall County</b>								
816.9	NHD-002	Judicial Ditch 3	Drainage Ditch	None	None	Bore	Wet Open Cut	2B, 3C
821.0	s-158n48w22-a	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
821.1	s-158n48w22-b	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
825.4	s-157n47w6-a	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
825.7	s-157n47w6-b	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	

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Milepost	Feature Unique ID Number	Waterbody	Waterbody Type	Agency Designation	Impairment	Proposed Crossing Method <sup>a</sup>	Alternative Crossing Method <sup>b</sup>	MPCA Classification
828.5	s-157n47w16-b	Tamarac River	River/Stream	Public Water, 303d Impaired	Fish and Invertebrate Bio-assessments, Cause Unknown - Impaired Biota	HDD	Dry Crossing	1C, 2Bd, 3C
831.0	s-157n47w26-c	Unnamed Stream	River/Stream	None	None	Wet open cut	Dry Crossing	
831.2	s-157n47w26-d	Unnamed Stream	River/Stream	None	None	Wet open cut	Dry Crossing	
831.4	s-157n47w26-d	Unnamed Stream	River/Stream	None	None	Wet open cut	Dry Crossing	
831.7	s-157n47w26-b	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
832.8	s-157n47w36-b	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
833.1	s-157n47w36-a	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
833.6	s-156n47w1-a	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
834.1	s-156n47w1-b	Unnamed Stream	River/Stream	None	None	Wet open cut	Dry Crossing	
835.0	s-156n47w12-a	Unnamed Ditch	Drainage Ditch	None	None	Bore	Wet Open Cut	
835.0	s-156n46w7-a	Unnamed Ditch	Drainage Ditch	None	None	Bore	Wet Open Cut	
835.2	s-156n46w7-b	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
835.9	s-156n46w7-c	Middle River	River/Stream	Public Water, 303d Impaired	Dissolved Oxygen, Turbidity	HDD	Dry Crossing	2B, 3C
837.2	s-156n46w17-a	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
838.0	s-156n46w21-a	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
838.1	s-156n46w21-b	Unnamed Stream	River/Stream	None	None	Wet open cut	Dry Crossing	
839.7	s-156n46w27-a	Unnamed Stream	River/Stream	None	None	Wet open cut	Dry Crossing	
839.8	s-156n46w27-b	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
842.5	s-155n46w1-a	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
Drains to the Snake River approximately 0.5 mile away into a segment that is designated as a MNDNR Public Water and Impaired (dissolved oxygen in 2012 and 2014).								
843.1	s-155n46w12-a	Snake River	River/Stream	Public Water, 303d Impaired	Dissolved Oxygen, Organic Enrichment Oxygen Depletion, Class 2b Warm Water Aquatic Life	HDD	Dry Crossing	2B, 3C
846.9	s-155n45w21-b	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
Drains to the South Branch Snake River approximately 0.2 mile away into a segment that is designated as a MNDNR Public Water.								

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Milepost	Feature Unique ID Number	Waterbody	Waterbody Type	Agency Designation	Impairment	Proposed Crossing Method <sup>a</sup>	Alternative Crossing Method <sup>b</sup>	MPCA Classification
847.2	s-155n45w28-a	South Branch Snake River	River/Stream	Public Water	None	Wet open cut	Dry Crossing	2B, 3C
848.2	s-155n45w28-c	Unnamed Ditch	Drainage Ditch	None	None	Bore	Wet Open Cut	
	Drains to the South Branch Snake River apppproximately 1 mile away into a segment that is designated as a MNDNR Public Water.							
848.2	s-155n45w33-a	Unnamed Ditch	Drainage Ditch	None	None	Bore	Wet Open Cut	
848.9	s-155n45w34-b	Unnamed Stream	River/Stream	None	None	Wet open cut	Dry Crossing	
849.1	s-155n45w34-c	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
849.4	s-155n45w34-d	Unnamed Stream	River/Stream	None	None	Wet open cut	Dry Crossing	
851.1	s-154n45w2-a	Unnamed Ditch	Drainage Ditch	None	None	Bore	Wet Open Cut	
851.1	s-154n45w11-b	Unnamed Ditch	Drainage Ditch	None	None	Bore	Wet Open Cut	
851.4	s-154n45w11-a	Unnamed Ditch	Drainage Ditch	None	None	Bore	Wet Open Cut	
<b>Pennington County</b>								
852.9	s-154n44w18-a	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
855.0	NHD-007	Black River	River/Stream	303d impaired	Dissolved Oxygen, turbidity	Wet open cut	Dry Crossing	2B, 3C
858.7	s-153n44w3-a	Unnamed Ditch	Drainage Ditch	None	None	Bore	Wet Open Cut	
860.1	s-153n44w11-a	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
861.7	s-153n44w13-a	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
862.1	s-153n43w18-a	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
862.1	s-153n43w19-a	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
863.3	s-153n43w19-b	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
863.3	s-153n43w20-a	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
863.4	s-153n43w20-a	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
864.3	s-153n43w29-a	Red Lake River	River/Stream	Public Water, 303d Impaired, NRI, Canoe Route	Mercury	HDD	Dry Crossing	1C, 2Bd, 3C
864.7	s-153n43w32-a	Unnamed Ditch	Drainage Ditch	None	None	HDD	Dry Crossing	
	Drains to the Red Lake River apppproximately 0.1 mile away into a segment that is designated as a MNDNR Public Water, Impaired (for mercury in fish, 2012 and 2014), NRI, and a canoe route.							
865.1	s-153n43w33-a	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
	Drains to the Red Lake River apppproximately 0.4 mile away into a segment that is designated as a MNDNR Public Water, Impaired (for mercury in fish, 2012 and 2014), NRI, and a canoe route.							
867.4	s-152n43w4-a	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
869.5	s-152n43w14-a	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
	Drains to an unnamed ditch apppproximately 0.1 mile away into a segment that is designated as a MNDNR Public Water.							
869.7	s-152n43w14-b	Unnamed Ditch	Drainage Ditch	Public Water	None	Wet open cut	Dry Crossing	
869.7	s-152n43w14-c	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	

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Milepost	Feature Unique ID Number	Waterbody	Waterbody Type	Agency Designation	Impairment	Proposed Crossing Method <sup>a</sup>	Alternative Crossing Method <sup>b</sup>	MPCA Classification
Drains to an unnamed ditch apppproximately 0.2 mile away into a segment that is designated as a MNDNR Public Water.								
870.4	s-152n43w23-a	Unnamed Stream	River/Stream	None	None	Wet open cut	Dry Crossing	
871.3	s-152n43w24-b	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
871.3	s-152n43w24-c	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
<b>Red Lake County</b>								
872.0	s-152n42w30-a	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
872.4	s-152n42w30-b	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
873.3	s-152n42w31-a	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
873.8	s-152n42w32-b	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
873.9	s-152n42w32-a	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
875.4	s-151n42w4-a	Clearwater River	River/Stream	Public Water, 303d Impaired	Dissolved Oxygen, Fecal Coliform, Mercury, Turbidity	HDD	Dry Crossing	2B, 3C
882.4	s-151n41w28-c	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
882.8	s-151n41w28-b	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
882.8	s-151n41w28-a	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
882.8	s-151n41w33-b	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
883.5	s-151n41w33-a	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
884.7	s-151n41w35-a	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
Drains to Lost River apppproximately 0.5 mile away into a segment that is designated as a MNDNR Public Water.								
885.7	s-150n41w1-a	Unnamed Ditch	Drainage Ditch	None	None	Bore	Wet Open Cut	
Drains to Lost River apppproximately 0.1 mile away into a segment that is designated as a MNDNR Public Water.								
885.8	s-150n41w1-b	Lost River	River/Stream	None	None	Dry Crossing	Wet Open Cut	
886.7	s-150n41w1-c	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
Drains to Lost River apppproximately 0.4 mile away into a segment that is designated as a MNDNR Public Water.								
<b>Polk County</b>								
888.0	s-150n40w7-a	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
Drains to Lost River apppproximately 0.9 mile away into a segment that is designated as a MNDNR Public Water.								
888.0	s-150n40w8-a	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
Drains to Lost River apppproximately 0.9 mile away into a segment that is designated as a MNDNR Public Water.								
889.6	s-150n40w9-a	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
889.7	s-150n40w16-a	State Ditch Number Sixtyone	Drainage Ditch	None	None	Wet open cut	Dry Crossing	

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Milepost	Feature Unique ID Number	Waterbody	Waterbody Type	Agency Designation	Impairment	Proposed Crossing Method <sup>a</sup>	Alternative Crossing Method <sup>b</sup>	MPCA Classification
890.2	s-150n40w15-a	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
890.8	s-150n40w15-b	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
890.8	s-150n40w15-c	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
891.3	s-150n40w14-a	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
892.4	s-150n40w23-a	Unnamed Ditch	Drainage Ditch	None	None	Bore	Wet Open Cut	
893.3	s-150n39w19-a	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
893.7	s-150n39w19-c	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
894.0	s-150n39w19-d	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
894.2	s-150n39w30-a	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
894.8	s-150n39w29-a	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
894.8	s-150n39w29-a	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
894.9	s-150n39w29-a	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
<b>Clearwater County</b>								
901.1	s-149n38w7-c	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
902.0	s-149n38w8-a	Unnamed Ditch	Drainage Ditch	Public Water	None	Wet open cut	Dry Crossing	
902.0	s-149n38w8-b	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
	Drains to an unnamed ditch approximately 35 feet from a segment that is designated as a MNDNR Public Water.							
902.1	s-149n38w8-c	Unnamed Ditch	Drainage Ditch	None	None	Wet open cut	Dry Crossing	
	Drains to an unnamed ditch approximately 35 feet from a segment that is designated as a MNDNR Public Water.							
902.7	s-149n38w9-a	Unnamed Ditch	Drainage Ditch	None	None	Bore	Wet Open Cut	
	Drains to an unnamed stream approximately 0.1 mile away in a segment that is designated as a MNDNR Public Water.							
902.9	s-149n38w16-a	Unnamed Stream	River/Stream	None	None	Wet open cut	Dry Crossing	
	Drains to an unnamed stream approximately 0.2 mile away in a segment that is designated as a MNDNR Public Water.							
904.0	s-149n38w15-a	Lost River	River/Stream	Public Water	None	Dry Crossing	Wet Open Cut	
907.1	CL018bWB	Silver Creek	River/Stream	Public Water, 303 Impaired Waterbody	Fecal Coliform	Dry Crossing	Wet Open Cut	2B, 3C
907.4	CL019bWB	Silver Creek	River/Stream	Public Water, 303 Impaired Waterbody	Fecal Coliform	Dry Crossing	Wet Open Cut	2B, 3C
907.7	s-149n37w30-a	Silver Creek	River/Stream	Public Water, 303d Impaired	Coliform, Patho	Dry Crossing	Wet Open Cut	2B, 3C
908.4	CL020aWB	Unnamed Ditch	River/Stream	None	None	Bore	Wet Open Cut	
	Possibly drains to Silver Creek approximately 0.7 mile away in a segment that is designated as a MNDNR Public Water and Impaired (for fecal coliform in 2012 and 2014).							
909.1	CL022_200aWB	Unnamed Stream	River/Stream	None	None	Dry Crossing	Wet Open Cut	
	Drains to an unnamed stream approximately 0.4 mile away in a segment that is designated as a MNDNR Public Water.							

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917.5	CLC5018aWB	Unnamed Stream	River/Stream	None		Wet Open Cut	Dry Crossing	
Drains into a MNDNR unnamed Public Water approximately 1.0 mile away								
922.7	CLC5037aWB	Clearwater River	River/Stream	Public Water, 303 Impaired Waterbody, NRI	Mercury, Dissolved Oxygen	HDD	Open cut	2B, 3C
924.7	CLC5048aWB	Walker Brook	River/Stream	Public Water, 303 Impaired Waterbody	Dissolved Oxygen	Dry Crossing	Wet Open Cut	2B, 3C
925.8	CLC5051aWB	Unnamed Stream	River/Stream	Public Water		Dry Crossing	Wet Open Cut	
931.4	CLC5074aWB	Unnamed Stream	River/Stream	None		Dry Crossing	Wet Open Cut	
Could possibly drain into Mud Lake, a MNDNR Public Water Basin approximately 0.5 mile away								
935.3	CLC5085_210aWB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	
937.5	CLC5095aWB	Bear Creek	River/Stream	Public Water		Dry Crossing	Wet Open Cut	
Drains to the Mississippi River approximately 0.8 mile downstream into a segment of the river that is designated as MNDNR Public Water, 2012 Impaired, and Canoe Route.								
938.4	CLC5098aWB	Mississippi River	River/Stream	Public Water, 303 Impaired Waterbody, Canoe Route	Dissolved Oxygen	HDD	Open cut	2B, 3C
939.7	CLC5102aWB	Unnamed Stream	River/Stream	None	None	Wet Open Cut	Dry Crossing	
<b>Hubbard County</b>								
943.4	HUC5002aWB	La Salle Creek	River/Stream	Trout Stream, Public Water, Aquatic Management Area		Dry Crossing	Wet Open Cut	
Drains into Big LaSalle Lake, a MNDNR Public Water Basin approximately 0.5 mile away								
958.7	HUC5070aWB	Unnamed Stream	River/Stream	None	None	Dry Crossing	Wet Open Cut	
Drains into Island Lake, a MNDNR Public Water Basin approximately 0.4 mile downstream, designated as Impaired for mercury in 2012 and proposed as Impaired in 2014.								
959.6	HUC5074aWB	Unnamed Stream	Open water wetland /Beaver dam/pond	Public Water		Dry Crossing	Wet Open Cut	
Drains into Island Lake, a MNDNR Public Water Basin approximately 0.6 mile downstream, designated as Impaired for mercury in 2012 and proposed as Impaired in 2014.								
961.0	HUC5081aWB	Hay Creek	River/Stream	Public Water		HDD	Open cut	2B, 3C (assessed NW of the crossing location)
971.5	HUC5122_200aWB	Straight River	River/Stream	Trout Stream, Public Water, 303 Impaired Water	Dissolved Oxygen	HDD	Open cut	1B, 2A, 3B
974.0	HUC5130aWB	Shell River	River/Stream	Public Water		Dry Crossing	Wet Open Cut	2B, 3C

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978.7	HUC5162aWB	Shell River	River/Stream	Public Water, 303 Impaired Water	Fish Index of Biological Integrity	Dry Crossing	Wet Open Cut	2B, 3C
981.0	HUC5175aWB	Shell River	River/Stream	Public Water		HDD	Open cut	2B, 3C
982.7	HUC5179_240aWB	Oxbow Pond	Oxbow Pond	Public Water		HDD	Open cut	2B, 3C
	Drains into the northern portion of Twin Lakes , a MNDNR Public Water Basin, approximately 0.5 mile away, designated as Impaired and proposed as Impaired for 2014							
<b>Wadena County</b>								
988.5	WA002aWB	Shell River	River/Stream	Public Water, NRI, 303 Impaired	Dissolved Oxygen	HDD	Open cut	2B, 3C
990.6	WA006aWB	Crow Wing River	River/Stream	Public Water, Impaired Water, Canoe Route, NRI	Mercury	HDD	Wet Open Cut	2B, 3C
993.8	WA017aWB	Unnamed Stream	River/Stream	None		Wet Open Cut	Dry Crossing	
<b>Cass County</b>								
996.4	CAC5001_540bWB	Unnamed Ditch	Drainage Ditch	None		Dry Crossing	Wet Open Cut	
996.5	CAC5001_540aWB	Unnamed Ditch	Drainage Ditch	None		Dry Crossing	Wet Open Cut	
996.9	CAC5006aWB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	
997.9	CAC5007aWB	Big Swamp Creek	River/Stream	Public Water		Dry Crossing	Wet Open Cut	2B, 3C
998.6	CAC5010aWB	Unnamed Stream	River/Stream	None		Dry Crossing	Wet Open Cut	
	Drains downstream approximately 0.4 mile into Big Swamp Creek , a MNDNR Public Water Basin							
1014.6	CA063aWB	Pine River	River/Stream	Public Water, Canoe Route		Dry Crossing	Wet Open Cut	2B, 3C
<b>Crow Wing County</b>								
1018.7	CW014aWB	Unnamed Stream	River/Stream	None		Dry Crossing	Wet Open Cut	
	Appears to drain into Clough Lake, a MNDNR Public Water Basin approximately 0.8 mile downstream							
1019.8	CW021aWB	Unnamed Stream	River/Stream	None		Dry Crossing	Wet Open Cut	
	Drains into Jail Lake, a MNDNR Public Water Basin approximately 1 mile downstream							
1020.9	CW027aWB	Unnamed Stream	River/Stream	None		Dry Crossing	Wet Open Cut	
<b>Cass County</b>								
1023.7	CA085aWB	Ada Brook / Blind Lake Creek	River/Stream	Public Water		Dry Crossing	Wet Open Cut	
1026.4	CA096aWB	Unnamed Stream	River/Stream	None		Dry Crossing	Wet Open Cut	
	Although the drainage cannot be determined, the following MNDNR Public Water Basins are located entirely or partially within 1 mile of the crossing at lower elevations: Stony, Lee, Peterson, and McGinty Lakes, and six unnamed basins.							
1027.8	CW014aWB	Unnamed Stream	River/Stream	None		Dry Crossing	Wet Open Cut	
	Although the drainage cannot be determined, three unnamed Public Water Basins are located within 1 mile of the crossing at similar or lower elevations							
1030.5	CA116aWB	Unnamed Stream	River/Stream	None		Wet Open Cut	Dry Crossing	
	Could possibly drain into a MNDNR Public Water approximately 0.6 mile downslope							
1031.2	CA118_200aWB	Unnamed Stream	River/Stream	None		Dry Crossing	Wet Open Cut	

**Line 3 Replacement Project  
Waterbodies in Minnesota Within One Mile Downstream of Crossings**

Milepost	Feature Unique ID Number	Waterbody	Waterbody Type	Agency Designation	Impairment	Proposed Crossing Method <sup>a</sup>	Alternative Crossing Method <sup>b</sup>	MPCA Classification
1031.6	CA120_200AWB	Unnamed Stream	River/Stream	None		Wet Open Cut	Dry Crossing	
1033.3	CA127aWB	Unnamed Stream	River/Stream	None		Dry Crossing	Wet Open Cut	
Drains into Dagget Brook, a MNDNR Public Water approximately 0.7 mile downstream								
1034.7	CA133aWB	Dagget Brook	River/Stream	Public Water		Dry Crossing	Wet Open Cut	
1038.5	CA147_525a1WB	Spring Brook	River/Stream	Public Water, Trout Stream		Dry Crossing	Wet Open Cut	
1043.3	CAC5160aWB	Unnamed Stream	River/Stream	None		Dry Crossing	Wet Open Cut	
1043.9	CAC5161aWB	Unnamed Stream	River/Stream	None		Dry Crossing	Wet Open Cut	
1044.6	CA162aWB	Unnamed Stream	River/Stream	None		Wet Open Cut	Dry Crossing	
Although exact drainage path is uncertain, it could drain into Moose River (MNDNR Public Water and 2012 Impaired) and Reservoir and Little Reservoir Lakes (MNDNR Public Water Basins) within 1 mile.								
1045.2	CA163cWB	Tributary to Moose River	River/Stream	None		Dry Crossing	Wet Open Cut	
Drains 0.1 mile into Moose River (designated as Impaired in 2012 and 2014), which flows into Reservoir and Little Reservoir Lakes (Public Water Basins) approximately 0.4 miles downstream								
1045.3	CA163aWB	Moose River	River/Stream	Public Water, 303 Impaired Waterbody, NRI	Dissolved oxygen	Dry Crossing	Wet Open Cut	2B, 3C
Flows into Reservoir and Little Reservoir Lakes (Public Water Basins) approximately 0.4 miles downstream								
1047.0	CA166aWB	Unnamed Stream	River/Stream	None	None	Wet Open Cut	Dry Crossing	
Drains into Third Guide Lake, a MNDNR Public Water Basin approximately 0.1 mile away, and Moose River, a MNDNR Public Water that flows through it, designated as Impaired in 2012 and proposed as Impaired in 2014								
<b>Aitkin County</b>								
1047.2	AI001aWB	Unnamed Stream	River/Stream	None		Dry Crossing	Wet Open Cut	
Drains into Third Guide Lake, a MNDNR Public Water Basin approximately 0.1 mile away, and Moose River, a MNDNR Public Water that flows through it, designated as Impaired in 2012 and proposed as Impaired in 2014								
1050.7	AI020aWB	Unnamed Stream	River/Stream	Public Water		Dry Crossing	Wet Open Cut	
1052.5	AI027bWB	Unnamed Stream	River/Stream	None		Dry Crossing	Wet Open Cut	
1056.8	AI038aWB	White Elk Creek	River/Stream	Public Water		Dry Crossing	Wet Open Cut	
1057.3	AI040aWB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	
Drains into White Elk Creek, a MNDNR Public Water approximately 0.1 mile away								
1057.3	AI040bWB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	
Drains into White Elk Creek, a MNDNR Public Water approximately 0.1 mile away								
1057.4	AI040cWB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	
Drains into White Elk Creek, a MNDNR Public Water approximately 0.1 mile away								
1057.4	AI040_500bWB	Unnamed Ditch	Drainage Ditch	None		Dry Crossing	Wet Open Cut	
Drains into White Elk Creek, a MNDNR Public Water approximately 0.1 mile away								
1064.4	AI083_200aWB	White Elk Creek	River/Stream	Public Water		Dry Crossing	Wet Open Cut	

**Line 3 Replacement Project  
Waterbodies in Minnesota Within One Mile Downstream of Crossings**

Milepost	Feature Unique ID Number	Waterbody	Waterbody Type	Agency Designation	Impairment	Proposed Crossing Method <sup>a</sup>	Alternative Crossing Method <sup>b</sup>	MPCA Classification
1065.8	AI087_504bWB	Unnamed Stream	River/Stream	None		Dry Crossing	Wet Open Cut	
Drains into Willow River, a MNDNR Public Water and NRI stream approximately 0.1 mile away								
1065.9	AI087_504aWB	Unnamed Stream	River/Stream	None		Dry Crossing	Wet Open Cut	
Drains into Willow River, a MNDNR Public Water and NRI stream approximately 0.1 mile away								
1066.0	AI087_504cWB	Unnamed Stream	River/Stream	None	None	Wet Open Cut	Dry Crossing	
1066.1	AI087_504d1WB	Willow River	River/Stream	Public Water, NRI		HDD	Open cut	2B, 3C
1068.4	AI104a1WB	Unnamed Ditch	Drainage Ditch	None		Dry Crossing	Wet Open Cut	
Drains into the Mississippi River approximately 0.4 mile away, a MNDNR Public Water, Canoe Route. Outstanding Resource Value water, designated as Impaired (2012 and 2014)								
1069.3	AI108aWB	Unnamed Stream	River/Stream	None		Wet Open Cut	Dry Crossing	
Drains into the Mississippi River approximately 0.2 mile away, a MNDNR Public Water, Canoe Route. Outstanding Resource Value water, designated as Impaired (2012 and 2014)								
1069.6	AI109aWB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	
Drains into the Mississippi River approximately 0.2 mile away, a MNDNR Public Water, Canoe Route. Outstanding Resource Value water, designated as Impaired (2012 and 2014)								
1070.0	AI112_200aWB	Mississippi River	River/Stream	Section 10, Public Water 303 Impaired Waterbody, Outstanding Resource Value water, Canoe Route	Mercury	HDD	Open cut	2B, 3C
1070.1	AI112_200bWB	Tributary of Mississippi River	River/Stream	None		HDD	Open cut	
1071.5	AI171_210aWB	State Ditch 66	Drainage Ditch	None		Wet Open Cut	Dry Crossing	
1071.8	AI171_210bWB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	
1072.3	AI116_200aWB	Unnamed Ditch	Drainage Ditch	None		Dry Crossing	Wet Open Cut	
1072.6	AI116_200cWB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	
1073.5	AI185_220aWB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	
1073.5	AI120_200aWB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	
1073.8	AI120_200aWB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	
1074.5	AI121_200bWB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	
1075.1	AI121_200_515cWB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	
1075.3	AI121_200_515bWB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	
1075.3	AI121_200_515aWB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	
1075.6	AI121_200_525aWB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	
1076.0	AI121_200_530aWB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	

**Line 3 Replacement Project  
Waterbodies in Minnesota Within One Mile Downstream of Crossings**

Milepost	Feature Unique ID Number	Waterbody	Waterbody Type	Agency Designation	Impairment	Proposed Crossing Method <sup>a</sup>	Alternative Crossing Method <sup>b</sup>	MPCA Classification
1077.0	AI125aWB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	
Appears to drain into Portage Lake, a MNDNR Public Water Basin approximately 0.9 mile downstream								
1077.8	AI123_240a1WB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	
Appears to drain into Portage Lake, a MNDNR Public Water Basin approximately 0.9 mile downstream								
1077.9	AI126_200aWB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	
Appears to drain into Portage Lake, a MNDNR Public Water Basin approximately 0.9 mile downstream								
1079.3	AI130aWB	Sandy River	River/Stream	Section 10, Public Water		HDD	Open Cut	2B, 3C
1080.1	AI136aWB	Unnamed Ditch	Drainage Ditch	None		Dry Crossing	Wet Open Cut	
Drains into Sandy River, a MNDNR Public Water approximately 0.7 mile downstream								
1080.4	AI136bWB	Unnamed Ditch	Drainage Ditch	None		Dry Crossing	Wet Open Cut	
Drains into Sandy River, a MNDNR Public Water approximately 0.9 mile downstream								
1081.1	AI138aWB	Unnamed Stream	River/Stream	None		Wet Open Cut	Dry Crossing	
Drains into Sandy River, a MNDNR Public Water approximately 0.3 mile downstream								
1081.3	AI138_340cWB	Unnamed Stream	River/Stream	None		Wet Open Cut	Dry Crossing	
Drains into Sandy River, a MNDNR Public Water approximately 0.1 mile downstream								
1081.6	AI138_340aWB	Unnamed Ditch	Drainage Ditch	None		Dry Crossing	Wet Open Cut	
Drains into Sandy River, a MNDNR Public Water approximately 0.2 mile downstream								
1082.9	AI2C5147aWB	Unnamed Ditch	Drainage Ditch	None		Dry Crossing	Wet Open Cut	
Drains into Sandy River, a MNDNR Public Water approximately 0.7 mile downstream								
1083.5	AI2C5148aWB	Unnamed Stream	River/Stream	None		Dry Crossing	Wet Open Cut	
Drains into Sandy River, a MNDNR Public Water approximately 0.7 mile downstream								
1083.5	AI2C5148bWB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	
Drains into Sandy River, a MNDNR Public Water approximately 0.7 mile downstream								
1084.0	AI2C5150_200aWB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	
Drains into Sandy River, a MNDNR Public Water approximately 0.9 mile downstream								
1084.5	AI2C5152_200aWB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	
Drains into Sandy River, a MNDNR Public Water approximately 0.9 mile downstream								
1085.8	AI2C5155aWB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	
Drains into Sandy River, a MNDNR Public Water approximately 0.4 mile downstream								
1086.1	AI2C5156aWB	Unnamed Ditch	Drainage Ditch	None		HDD	Open cut	
Drains into Sandy River, a MNDNR Public Water less than 0.1 mile downstream								
1086.2	AI2C5157aWB	Sandy River	River/Stream	Public Water		HDD	Open cut	2B, 3C
1086.4	AI2C5159_300aWB	Unnamed Ditch	Drainage Ditch	None	None	Dry Crossing	Wet Open Cut	

**Line 3 Replacement Project  
Waterbodies in Minnesota Within One Mile Downstream of Crossings**

Milepost	Feature Unique ID Number	Waterbody	Waterbody Type	Agency Designation	Impairment	Proposed Crossing Method <sup>a</sup>	Alternative Crossing Method <sup>b</sup>	MPCA Classification
1092.2	AIC5301aWB	Sandy River Tributary	River/Stream	None		Dry Crossing	Wet Open Cut	
Flows into an unnamed stream that is a MNDNR Public Water approximately 0.8 miles downstream, which is a tributary to the Sandy River								
1092.9	AIC5304aWB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	
Possibly drains into Sandy River, a MNDNR Public Water approximately 0.2 mile away								
1093.0	AIC5306aWB	Unnamed Ditch	Drainage Ditch	None		Wet Open Cut	Dry Crossing	
Possibly drains into Sandy River, a MNDNR Public Water approximately 0.1 mile away								
1094.2	AIC5311aWB	Unnamed Ditch	Drainage Ditch	None		Dry Crossing	Wet Open Cut	
Drains into Rice Lake, a MNDNR Public Water Basin, and Sandy River, a MNDNR Public Water, approximately 0.4 mile downstream								
<b>Carlton County</b>								
1099.1	CRC5001_503bWB	Unnamed Ditch	Drainage Ditch	None		Dry Crossing	Wet Open Cut	
1099.1	CRC5001_503aWB	Unnamed Ditch	Drainage Ditch	None		Dry Crossing	Wet Open Cut	
1099.7	CRC5001_506eWB	Unnamed Stream	River/Stream	None		Dry Crossing	Wet Open Cut	
Possibly drains into Kettle River - West Branch, a MNDNR Public Water, 0.5 mile away								
1100.1	CRC5001_506bWB	Unnamed Ditch	Drainage Ditch	None		Dry Crossing	Wet Open Cut	
Possibly drains into Kettle River - West Branch, a MNDNR Public Water, 0.2 mile away								
1100.3	CRC5001_508_300aWB	Kettle River - West Branch	River/Stream	Public Water		Dry Crossing	Wet Open Cut	2B, 3C
Drains into a tributary of the Kettle River - West Branch, a MNDNR Public Water, 0.5 mile away								
1105.8	CRC5040aWB	Heikkila Creek	River/Stream	Public Water		Dry Crossing	Wet Open Cut	
1109.0	CRC5056aWB	Unnamed Stream	River/Stream	None		Dry Crossing	Wet Open Cut	
Drains into Kettle River, a MNDNR Public Water designated as 2012 Impaired approximately 0.3 mile downstream								
1109.4	CRC5059aWB	Kettle River	River/Stream	Section 10, Impaired Water, Public Water	Mercury	Dry Crossing	Wet Open Cut	2B, 3C
1112.4	CRC5074aWB	West Fork Moose Horn River Tributary	River/Stream	None		Wet Open Cut	Dry Crossing	
Drains into West Fork Moose Horn River, a MNDNR Public Water approximately 0.9 mile downstream								
1113.9	CRC5083aWB	West Fork Moose Horn River	River/Stream	Section 10, Public Water		Dry Crossing	Wet Open Cut	
1114.8	CRC5088aWB	Unnamed Stream	River/Stream	None		Dry Crossing	Wet Open Cut	
1115.5	CRC5091aWB	King Creek	River/Stream	Trout Stream, Public Water		Wet Open Cut	Dry Crossing	
1116.0	CRC5093aWB	Unnamed Stream	River/Stream	None		Wet Open Cut	Dry Crossing	
Drains into the east tributary to King Creek, a MNDNR Public Water and Trout Stream less than 0.1 mile downstream								
1117.9	CRC5107aWB	Park Lake Creek	River/Stream	Public Water		Dry Crossing	Wet Open Cut	
1118.4	CRC5110aWB	Unnamed Stream	River/Stream	None		Dry Crossing	Wet Open Cut	
Drains into Park Lake Creek, a MNDNR Public Water approximately 0.4 mile downstream								

**Line 3 Replacement Project**  
**Waterbodies in Minnesota Within One Mile Downstream of Crossings**

Milepost	Feature Unique ID Number	Waterbody	Waterbody Type	Agency Designation	Impairment	Proposed Crossing Method <sup>a</sup>	Alternative Crossing Method <sup>b</sup>	MPCA Classification
1118.9	CRR51001aWB	Moose Horn River	River/Stream	Section 10, Public Water		Dry Crossing	Wet Open Cut	
1122.3	CRR51010_607aWB	Unnamed Stream	River/Stream	None	None	Wet Open Cut	Dry Crossing	
1122.4	CRR51010_607aWB	Unnamed Stream	River/Stream	None		Wet Open Cut	Dry Crossing	
1123.3	CRR51010_612aWB	Blackhoof River	River/Stream	Public Water, Trout Stream		Dry Crossing	Wet Open Cut	
1127.0	CRC5163_200aWB	Unnamed Stream	River/Stream	None		Wet Open Cut	Dry Crossing	
1127.3	CRC5168aWB	Unnamed Stream	River/Stream	None		Wet Open Cut	Dry Crossing	
1134.6	CR144cWB	Unnamed Stream	River/Stream	None	None	Wet Open Cut	Dry Crossing	
1134.6	CR144aWB	Unnamed Stream	River/Stream	Public Water		Dry Crossing	Wet Open Cut	
1134.8	CR145bWB	Unnamed Stream	River/Stream	None	None	Wet Open Cut	Dry Crossing	
1134.8	CR145bWB	Unnamed Stream	River/Stream	None	None	Wet Open Cut	Dry Crossing	
1135.1	CR147aWB	Unnamed Stream	River/Stream	None		Wet Open Cut	Dry Crossing	
	Drains into unnamed stream that is designated as a MNDNR Public Water approximately 0.1 mile away							
1136.0	CRR51010_640bWB	Unnamed Stream	River/Stream	None		Wet Open Cut	Dry Crossing	
1136.4	CR157_200a1WB	Unnamed Stream	River/Stream	None		Wet Open Cut	Dry Crossing	
1136.5	CR159_200aWB	Unnamed Stream	River/Stream	None		Wet Open Cut	Dry Crossing	
1136.6	CR159_200bWB	Unnamed Stream	River/Stream	None		Wet Open Cut	Dry Crossing	
1136.7	CR159_200cWB	Unnamed Stream	River/Stream	None		Wet Open Cut	Dry Crossing	
1136.7	CR159bWB	Unnamed Stream	River/Stream	None		Wet Open Cut	Dry Crossing	

<sup>a</sup> Proposed waterbody crossing methods are based on engineering investigations, constructability, and environmental constraints. No special method indicates an ephemeral channel identified during field surveys that lacks a defined bed and bank in the construction work area; therefore, wetland and waterbody construction requirements do not apply.

<sup>b</sup> It is possible that an HDD or guided bore may encounter subsurface objects that prevents the drill from being successfully completed. If this occurs, Enbridge will attempt a slightly adjusted drill path to avoid the object. If boulders or hard bedrock interferes with the adjusted drill path, NDPL will abandoned the drill after two attempts and cross the waterbody using the alternative method.