DEPARTMENT OF NATURAL RESOURCES

MNDNR PERMITTING AND REPORTING SYSTEM

Permit Number

2018-3690

Water Appropriation Permit

Expiration Date: 11/12/2021

Pursuant to Minnesota Statutes, Chapter 103G, and on the basis of statements and information contained in the permit application, letters, maps, and plans submitted by the applicant and other supporting data, all of which are made part hereof by reference, **PERMISSION IS HEREBY GRANTED** to the applicant to perform actions as authorized below.

Project Name:	**County:**	**Watershed:**	**Resource:**
L3R Surface Water HDD/Hydrostatic Testing	Red Lake, Clearwater, Hubbard, Wadena, Kittson, Cass, Aitkin, St. Louis, Marshall, Pennington	Clearwater River; Mississippi River - Headwaters; Crow Wing River; Red River of the North - Tamarac River; Pine River; Mississippi River - Grand Rapids; St. Louis River; Snake River; Red Lake River	Stream/River: Clearwater River (H-026-030-019); Stream/River: Mississippi River (M); Groundwater; Stream/River: Shell River ; Stream/River: Red River (H-026); Stream/River: Pine River (M-106); Stream/River: Willow River (M-117); Stream/River: Mississippi River ; Ditch: East Savanna River (S-002-031); Stream/River: St. Louis River (S-002); Stream/River: Middle River (H-026-021-004); Stream/River: Daggett Brook (M-106-004); Stream/River: Tamarac River (H-026-019); Stream/River: Red Lake River (H-026-030); Stream/River: Snake River (H-026-021)
Purpose of Permit:		**Authorized Action:**	

Pipeline and Tank Testing	Withdrawal of up to 113.1 million gallons of water per year for pipeline and tank testing. Authorized actions at each HDD or Mainline Hydrostatic Testing installation are listed below. All authorized volume amounts, pumping rates and approved contingency sources must be followed. • Installation #1: Red River, Mainline Hydrostatic Testing (Spread 1A), Kittson County-7,300,000 gallons (Alternative: Installation #3-Tamarac River) • Installation #2: Red River HDD (Pretest & Buoyancy), Kittson County- 218,000 gallons (Alternative: Installation #4 -Tamarac River) • Installation #3: Tamarac River, Mainline Hydrostatic Testing (Spread 1B), Marshall County-10,180,000 gallons (Alternative: Installation #1-Red River or Installation #5-Middle River) • Installation #4: Tamarac River HDD (Pretest & Buoyancy), Marshall County-555,000 gallons (Alternative: Installation #5 -Middle River) • Installation #5: Middle River HDD (Pretest & Buoyancy), Marshall County-180,000 gallons (Alternative: Installation #4 -Tamarac River) • Installation #6: Snake River HDD (Pretest, Buoyancy & Drill Rig), Marshall County-613,000 gallons (Alternative: Installation #4-Tamarac River) • Installation #7: Red Lake River Mainline Hydrostatic Testing (Spread 1C), Pennington County-7,900,000 (Alternative: Installation #4-Tamarac River or Installation #9-Clearwater River at MP 875.4) • Installation #8: Red Lake River HDD (Pretest & Buoyancy), Pennington County-325,000 gallons (Alternative: Installation #10 -Clearwater River) • Installation #9: Clearwater River, Mainline Hydrostatic Testing (Spread 1D), Red Lake County-6,168,000 gallons (Alternative: Installation #7-Red Lake River) • Installation #10: Clearwater River (MP 875.4) HDD (Pretest, Buoyancy & Drill Rig), Red Lake County-1,512,000 gallons (Alternative: Lost River #1 at MP 885.8) • Installation #11: Clearwater River, Mainline Hydrostatic Testing (Spread 2A/2B), Clearwater County-13,897,000 gallons (Alternative: Installation #30-Well #793975 or Lost River #2 at MP 904) • Installation #12: Clearwater River (MP 922.2) HDD (Pretest, Buoyancy & Drill Rig), Clearwater County-760,000 gallons (Alternative: Installation #13 Mississippi River at MP 941 or

	Installation #14-Well #763975) • Installation #13: Mississippi River (MP 941) HDD (Pretest & Buoyancy), Clearwater County-190,000 gallons (Alternative: Installation #13-Clearwater River MP 922.2 or Installation #28 -Well #718159) • Installation #14:Well #763975; Hay Creek HDD (Pretest, Buoyancy & Drill Rig), Hubbard County-755,000 (Alternative: Installation #28-Well # 718159 or Island Lake) • Installation #16: Shell River (MP 983.7) HDD (Pretest, Buoyancy & Drill Rig), Hubbard County-624,000 gallons (Alternative: Installation #17-Shell River at MP 985.4) • Installation #17: Shell River (MP 985.4) HDD (Pretest, Buoyancy & Drill Rig), Hubbard County-1,193,000 gallons (Alternative: Installation #16-Shell River at MP 983.7 or Well #178734) • Installation #18: Well #465115; Shell River (MP 991) HDD (Pretest & Buoyancy), Hubbard County-137,000 gallons (Alternative: Installation #17-Shell River at MP 985.4 or Shell River at MP 991.2) • Installation #19: Well #797182; Crow Wing River HDD (Pretest & Buoyancy), Wadena County-140,000 gallons (Alternative: Crow Wing River or Installation #17-Shell River at MP 985.4) • Installation #20: Shell River Mainline Hydrostatic Testing (Spread 3A), Hubbard County-2,937,000 gallons (Alternative: Installation #21-Pine River) • Installation #21: Pine River Mainline Hydrostatic Testing (Spread 3B/3C), Cass County-16,036,000 gallons (Alternative: Installation #20-Shell River at MP 985.4 or Clear (Eagle) Lake) • Installation #22: Willow River HDD (Pretest, Buoyancy & Drill Rig), Aitkin County-383,000 gallons (Alternative: Installation #23-Mississippi River at MP 1069.7) • Installation #23: Mississippi River HDD (Pretest, Buoyancy & Drill Rig), Aitkin County-619,000 gallons (Alternative: Installation #22-Willow River) • Installation #24: Mississippi River Mainline Hydrostatic Testing (Spread 4A/4B), Aitkin County-12,924,000 gallons (Alternative: Installation #22-Willow River) • Installation #25: East Savanna River HDD (Pretest, Buoyancy & Drill Rig), St. Louis County-393,000 gallons (Alternative: Installation #23-Mississippi River at MP 1069.7) • Installation #27: St. Louis River Mainline Hydrostatic Testing (Spread 5A/5B), St. Louis County-12,667,000 gallons (Alternative: Installation #24-Mississippi River at MP 1069.7,

	East Savanna River or Chub Lake) • Installation #28: Well #718159, Mainline Hydrostatic Testing (Spread 2C/2D), Hubbard County-6,355,000 gallons (Alternative: Installation #11-Clearwater River at MP 922.2, Island Lake or Installation #30-Well #763975) • Installation #29: Middle River HDD (Drill Rig), Marshall County-550,000 gallons (Alternative: None) • Installation #30: Well #763975; Mainline Hydrostatic Testing (Spread 2E), Hubbard County-2,766,000 gallons (Alternative: Island Lake or Installation #28-Well #718159) • Installation #32: Well #232423; Straight River HDD (Pretest & Buoyancy), Hubbard County-306,000 gallons (Alternative: Installation #14-Well #763975, Island Lake or Installation #28 -Well #718159) • Installation #33: Well #707830; Straight River HDD (Drill Rig), Hubbard County-660,000 (Alternative: None) • Installation #34: Well #797183; Shell River (MP 991) HDD (Drill Rig), Wadena County-296,000 gallons (Alternative: None) • Installation #35: Well #803210; Crow Wing River HDD (Drill Rig), Wadena County-303,000 gallons (Alternative: None) • Installation #36: Pine River HDD (Pretest, Buoyancy & Drill Rig), Cass County-388,000 gallons (Alternative: Clear (Eagle) Lake) • Installation #37: Daggett Brook HDD (Drill Rig), Cass County-416,000 gallons (Alternative: None) • Installation #38: Mississippi River (MP 941) HDD (Drill Rig), Clearwater County-409,000 gallons (Alternative: None) • Installation #39: Daggett Brook/Spring Brook HDDs (Pretest, Buoyancy & Drill Rig), Cass County-752,000 gallons (Alternative: Lake George) • Installation #40: Red Lake River HDD (Drill Rig), Pennington County-1,285,000 gallons (Alternative: None) All appropriations from the above listed installations will follow all relevant plans per the final Application dated November 8, 2020 and the November 2020 Environmental Protection Plan (EPP) received November 8, 2020.
Permittee: ENBRIDGE ENERGY, LIMITED PARTNERSHIP CONTACT: MOTIS, JULIANNE, (218) 522-4652 26 E SUPERIOR ST. SUITE 125 DULUTH, MN 55802 (218) 464-5621	**Authorized Agent:** MERJENT, INC. CONTACT: LENZ, KRISTIN, (763) 913-4740 1 MAIN STREET SE SUITE 300 MINNEAPOLIS, MN 55414 (612) 746-3660
To Appropriate From:	

Well Installation #14 Well 763975 Hay Creek HDD: 12.0 inches diameter, 127.0 feet depth, 3000 gpm, unique number 763975
Point(s) of Taking
UTM zone 15N, 336605m east, 5206635m north
SWSW of Section 29, T141N, R35W

Well Installation #18 Well #465115 Shell River (991) HDD: 12.0 inches diameter, 174.0 feet depth, 800 gpm, unique number 465115
Point(s) of Taking
UTM zone 15N, 352465m east, 5185698m north
SESE of Section 35, T139N, R34W

Well Installation #19 Well #797182 Crow Wing River HDD: 12.0 inches diameter, 185.0 feet depth, 800 gpm, unique number 797182
Point(s) of Taking
UTM zone 15N, 355947m east, 5184411m north
NWSW of Section 5, T138N, R33W

Well Installation #28 Well # 718159 Spread Hydrostatic Testing 2C/2D: 12.0 inches diameter, 325.0 feet depth, 500 gpm, unique number 718159
Point(s) of Taking
UTM zone 15N, 338421m east, 5228350m north
SENE of Section 20, T143N, R35W

Well Installation #30 Well #763975 Spread Hydrostatic Test 2E: unknown inches diameter, unknown feet depth, 3000 gpm, unique number 763975
Point(s) of Taking
UTM zone 15N, 336608m east, 5206635m north
SWSW of Section 29, T141N, R35W

Well Installation #32-Well #232423 Straight River HDD: 12.0 inches diameter, 53.0 feet depth, 600 gpm, unique number 232423
Point(s) of Taking
UTM zone 15N, 337198m east, 5196533m north
SENW of Section 32, T140N, R35W

Well Installation #33-Well #707830 Straight River HDD: 12.0 inches diameter, 168.0 feet depth, 550 gpm, unique number 707830
Point(s) of Taking
UTM zone 15N, 336511m east, 5193455m north
NENE of Section 7, T139N, R35W

Well Installation #34-Well #797183 Shell River (991) HDD: 12.0 inches diameter, 225.0 feet depth, 800 gpm, unique number 797183
Point(s) of Taking
UTM zone 15N, 354481m east, 5184058m north
NESW of Section 6, T138N, R33W

Well Installation #35-Well #803210 Crow Wing River HDD: 12.0 inches diameter, 220.0 feet depth, 800 gpm, unique number 803210

Point(s) of Taking
UTM zone 15N, 359918m east, 5183523m north
SWSE of Section 3, T138N, R33W

Stream/River: Clearwater River (H-026-030-019) : by means of a stationary pump at a rate not to exceed 4000 gpm
Point(s) of Taking
UTM zone 15N, 272264m east, 5311870m north
NENW of Section 9, T151N, R42W

Stream/River: Clearwater River (H-026-030-019) : by means of a stationary pump at a rate not to exceed 4000 gpm
Point(s) of Taking
UTM zone 15N, 321260m east, 5267197m north
NESW of Section 21, T147N, R37W

Stream/River: Clearwater River (H-026-030-019) : by means of a stationary pump at a rate not to exceed 4000 gpm
Point(s) of Taking
UTM zone 15N, 321258m east, 5267199m north
NESW of Section 21, T147N, R37W

Stream/River: Mississippi River (M) : by means of a stationary pump at a rate not to exceed 4000 gpm
Point(s) of Taking
UTM zone 15N, 333046m east, 5245129m north
NWNE of Section 35, T145N, R36W

Stream/River: Shell River : by means of a stationary pump at a rate not to exceed 4000 gpm
Point(s) of Taking
UTM zone 15N, 343057m east, 5186656m north
SWNW of Section 36, T139N, R35W

Stream/River: Shell River : by means of a stationary pump at a rate not to exceed 4000 gpm
Point(s) of Taking
UTM zone 15N, 345547m east, 5187197m north
SWSE of Section 30, T139N, R34W

Stream/River: Red River (H-026) : by means of a stationary pump at a rate not to exceed 4000 gpm
Point(s) of Taking
UTM zone 15N, 197238m east, 5402829m north
Section 4, T160N, R50E

Stream/River: Shell River : by means of a stationary pump at a rate not to exceed 4000 gpm
Point(s) of Taking
UTM zone 15N, 345555m east, 5187196m north
SWSE of Section 30, T139N, R34W

Stream/River: Pine River (M-106) : by means of a stationary pump at a rate not to exceed 4000 gpm
Point(s) of Taking
UTM zone 15N, 394853m east, 5181802m north
NESW of Section 8, T138N, R29W

Stream/River: Willow River (M-117) : by means of a stationary pump at a rate not to exceed 4000 gpm
Point(s) of Taking
UTM zone 15N, 467170m east, 5190273m north
SWNE of Section 31, T51N, R24W

Stream/River: Mississippi River : by means of a stationary pump at a rate not to exceed 4000 gpm
Point(s) of Taking
UTM zone 15N, 472171m east, 5191153m north
Meandered water body of Section 27, T51N, R24W

Stream/River: Mississippi River : by means of a stationary pump at a rate not to exceed 4000 gpm
Point(s) of Taking
UTM zone 15N, 472176m east, 5191155m north
Meandered water body of Section 27, T51N, R24W

Ditch: East Savanna River (S-002-031) : by means of a stationary pump at a rate not to exceed 4000 gpm
Point(s) of Taking
UTM zone 15N, 497682m east, 5192797m north
NESW of Section 20, T51N, R21W

Stream/River: St. Louis River (S-002) : by means of a stationary pump at a rate not to exceed 4000 gpm
Point(s) of Taking
UTM zone 15N, 510754m east, 5191441m north
Meandered water body of Section 27, T51N, R20W

Stream/River: Middle River (H-026-021-004) : by means of a portable pump at a rate not to exceed 4000 gpm
Point(s) of Taking
UTM zone 15N, 231929m east, 5360597m north
SWSE of Section 7, T156N, R46W

Stream/River: Red River (H-026) : by means of a stationary pump at a rate not to exceed 4000 gpm
Point(s) of Taking
UTM zone 15N, 197249m east, 5402831m north
Section 4, T160N, R50E

Stream/River: Pine River (M-106) : by means of a portable pump at a rate not to exceed 4000 gpm
Point(s) of Taking
UTM zone 15N, 394854m east, 5181795m north
NESW of Section 8, T138N, R29W

Stream/River: Daggett Brook (M-106-004) : by means of a portable pump at a rate not to exceed 4000 gpm
Point(s) of Taking
UTM zone 15N, 423037m east, 5188160m north
SENE of Section 19, T139N, R26W

Stream/River: Mississippi River (M) : by means of a portable pump at a rate not to exceed 4000 gpm
Point(s) of Taking
UTM zone 15N, 333072m east, 5245333m north

SWSE of Section 26, T145N, R36W

Stream/River: Tamarac River (H-026-019) : by means of a stationary pump at a rate not to exceed 4000 gpm
Point(s) of Taking
UTM zone 15N, 223578m east, 5369106m north
SWSW of Section 16, T157N, R47W

Stream/River: Red Lake River (H-026-030) : by means of a portable pump at a rate not to exceed 4000 gpm
Point(s) of Taking
UTM zone 15N, 260991m east, 5325719m north
Meandered water body of Section 29, T153N, R43W

Stream/River: Tamarac River (H-026-019) : by means of a stationary pump at a rate not to exceed 4000 gpm
Point(s) of Taking
UTM zone 15N, 223581m east, 5369113m north
SWSW of Section 16, T157N, R47W

Stream/River: Middle River (H-026-021-004) : by means of a stationary pump at a rate not to exceed 4000 gpm
Point(s) of Taking
UTM zone 15N, 231810m east, 5360532m north
SWSE of Section 7, T156N, R46W

Stream/River: Snake River (H-026-021) : by means of a stationary pump at a rate not to exceed 4000 gpm
Point(s) of Taking
UTM zone 15N, 239576m east, 5351755m north
NWNE of Section 12, T155N, R46W

Stream/River: Red Lake River (H-026-030) : by means of a stationary pump at a rate not to exceed 4000 gpm
Point(s) of Taking
UTM zone 15N, 261375m east, 5325111m north
Meandered water body of Section 32, T153N, R43W

Stream/River: Red Lake River (H-026-030) : by means of a stationary pump at a rate not to exceed 4000 gpm
Point(s) of Taking
UTM zone 15N, 261372m east, 5325119m north
Meandered water body of Section 32, T153N, R43W

Stream/River: Clearwater River (H-026-030-019) : by means of a stationary pump at a rate not to exceed 4000 gpm
Point(s) of Taking
UTM zone 15N, 272269m east, 5311873m north
NENW of Section 9, T151N, R42W

Issued Date: 11/09/2020	**Effective Date:** 11/12/2020	**Expiration Date:** 11/12/2021	
Authorized Issuer:	**Title:**	**Email Address:**	**Phone Number:**
Steve Colvin	Division Director	steve.colvin@state.mn.us	651-259-5709

This permit is granted **subject to** the following **CONDITIONS**:

LIMITATIONS: (a) Any violation of the terms and provisions of this permit and any appropriation of the waters of the state in excess of that authorized hereon shall constitute a violation of Minnesota Statutes, Chapter 103G. (b) This permit shall

CONDITIONS continued on next page...

CONDITIONS (*Continued from previous page*)

not be construed as establishing any priority of appropriation of waters of the state. (c) This permit is permissive only. No liability shall be imposed upon or incurred by the State of Minnesota or any of its employees, on account of the granting hereof or on account of any damage to any person or property resulting from any act or omission of the Permittee relating to any matter hereunder. This permit shall not be construed as estopping or limiting any legal claims or right of action of any person other than the state against the Permittee, for any damage or injury resulting from any such act or omission, or as estopping or limiting any legal claim or right of action of the state against the Permittee, for violation of or failure to comply with the provisions of the permit or applicable provisions of law. (d) In all cases where the doing by the Permittee of anything authorized by this permit shall involve the taking, using, or damaging of any property, rights or interests of any other person or persons, or of any publicly owned lands or improvements thereon or interests therein, the Permittee, before proceeding therewith, shall obtain the written consent of all persons, agencies, or authorities concerned, and shall acquire all property, rights, and interests necessary therefore. (e) This permit shall not release the Permittee from any other permit requirements or liability or obligation imposed by Minnesota Statutes, Federal Law, or local ordinances relating thereto and shall remain in force subject to all conditions and limitations now or hereafter imposed by law. (f) Unless explicitly specified, this permit does not authorize any alterations of the beds or banks of any public (protected) waters or wetlands. A separate permit must be obtained from the Department of Natural Resources prior to any such alteration.

FLOW METER: The Permittee shall equip each installation for appropriating or using water with a flow meter, unless another method of measuring the quantity of water appropriated to within ten (10) percent of actual amount withdrawn is approved by the Department.

WATER USE REPORTING: Monthly records of the amount of water appropriated or used shall be recorded for each installation. Such readings and the total amount of water appropriated or used shall be reported annually to the Director of DNR Ecological and Water Resources, on or before February 15 of the following year, via the MNDNR Permitting and Reporting System (MPARS) at www.mndnr.gov/mpars/signin. Any processing fee required by law or rule shall be submitted with the records whether or not any water was appropriated during the year. Failure to report shall be sufficient cause for terminating the permit 30 days following written notice.

MODIFICATION: The Permittee must notify the Commissioner in writing of any proposed changes to the existing permit. This permit shall not be modified without first obtaining the written permission from the Commissioner.

TRANSFER OR ASSIGNMENT: Any transfer or assignment of rights, or sale of property involved hereunder shall be reported within 90 days thereafter to the Director of DNR Ecological and Water Resources. Such notice shall be made by the transferee (i.e., new owner) and shall state the intention to continue the appropriation as stated in the permit. This permit shall not be transferred or assigned except with the written consent of the Commissioner.

COMMISSIONER'S AUTHORITY: (a) The Commissioner may inspect any installation utilized for the appropriation or use of water. The Permittee shall grant access to the site at all reasonable times and shall supply such information concerning such installation as the Commissioner may require. (b) The Commissioner may, as he/she deems necessary, require the Permittee to install gages and/or observation wells to monitor the impact of the Permittee's appropriation on the water resource and require the Permittee to pay necessary costs of installation and maintenance. (c) The Commissioner may restrict, suspend, amend, or cancel this permit in accordance with applicable laws and rules for any cause for the protection of public interests, or for violation of the provisions of this permit.

PUBLIC RECORD: All data, facts, plans, maps, applications, annual water use reports, and any additional information submitted as part of this permit, and this permit itself are part of the public record and are available for public inspection at the offices of DNR Ecological and Water Resources. The information contained therein may be used by the Division as it deems necessary. The submission of false data, statements, reports, or any such additional information, at any time shall be deemed as just grounds for revocation of this permit.

MONITORING REQUIREMENTS: Minnesota Statutes 103G.282 authorizes the Department of Natural Resources to require permittees to install and maintain monitoring equipment to evaluate water resource impacts from permitted appropriations. You may be required to modify or install automated measuring devices and keep records for each installation. The frequency of measurements and other requirements will be based on quantity of water appropriated, source of water, potential connections to other water resources, nature of concern, and other relevant factors.

DROUGHT PLANNING: In accordance with M.S. 103G.293, all permits must be consistent with the drought response plan detailed in the Statewide Drought Plan at http://files.dnr.state.mn.us/natural_resources/climate/drought/drought_plan_matrix.pdf.

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CONDITIONS (*Continued from previous page*)

LAND NOT OWNED BY PERMITTEE : This permit authorizes appropriation of water from land that is not owned by the permittee. The volume authorized is valid only as long as an agreement is in effect for lands included under this permit that are not owned by the permittee.

WELL SEALING: The permittee shall notify the Minnesota Department of Health prior to sealing, removing, covering, plugging or filling the well(s) from which the authorized appropriation was made. The well(s) must be sealed by a licensed well driller and in accordance with the procedures required under Minnesota Statutes 103I and Minnesota Rules 4725 as administered by the Minnesota Department of Health.

WATER USE CONFLICT: If notified by the DNR that a water use conflict is suspected and probable from your appropriation, based on confirmation of a formal well interference complaint or a preliminary hydrologic assessment, all appropriation authorized by this permit must cease immediately until the interference is resolved. The permittee may be required to obtain additional data to support the technical analysis, such as domestic well information within a radius of one and one-half miles of the production well. The permittee and impacted party may engage in a negotiated settlement process and there may be modifications made to this permit in support of conflict resolution.

SUSPENSION: The Department may require the suspension of appropriation during periods of low water in order to maintain minimum water levels within the basin/watercourse/watershed.

CONTINGENCY: If directed by DNR Ecological and Water Resources to cease pumping, the permittee agrees to withstand the results of no appropriation as stated in the contingency statement submitted with the application.

INTAKE: All pump intakes must be screened to prevent fish from being drawn into the system.

INVASIVE SPECIES - EQUIPMENT DECONTAMINATION: All equipment intended for use at a project site must be free of prohibited invasive species and aquatic plants prior to being transported into or within the state and placed into state waters. All equipment used in designated infested waters, shall be inspected by the Permittee or their authorized agent and adequately decontaminated prior to being transported from the worksite. The DNR is available to train inspectors and/or assist in these inspections. For more information refer to the "Best Practices for Preventing the Spread of Aquatic Invasive Species" at http://files.dnr.state.mn.us/publications/ewr/invasives/ais/best_practices_for_prevention_ais.pdf. Contact your regional Invasive Species Specialist for assistance at www.mndnr.gov/invasives/contacts.html. A list of designated infested waters is available at www.mndnr.gov/invasives/ais/infested.html. A list of prohibited invasive species is available at www.mndnr.gov/invasives/laws.html#prohibited.

INFESTED WATERS - WATER TREATMENT REQUIREMENTS: Surface water appropriation from waters listed as containing invasive species (see http://www.mndnr.gov/invasives/ais/infested.html) are required to contact 651-259-5100 or 1-888-MINN-DNR to obtain information from the DNR Division of Ecological and Water Resources on specific invasive species water treatment requirements.

INFESTED WATERS - UNUSED WATER: To prevent the spread of invasive species, all unused water appropriated under this permit must either be returned to its source or discharged on land. This permit is not valid for appropriations from surface water sources that are infested with invasive species without separate authorization from the DNR Division of Ecological and Water Resources. Refer to the DNR website for a current list of infested waters: http://www.mndnr.gov/invasives/ais/infested.html.

WATER CONSERVATION: All practical and feasible water conservation methods and practices must be employed to promote sound water management and use the least amount of water necessary, such as reuse and recycling water, water-saving devices, and water storage.

DISCHARGE AUTHORIZATION: This permit is valid only in conjunction with all required discharge authorizations from local, state, or federal government units.

EASEMENTS AND ACCESS ON PRIVATE PROPERTY: In all cases where the permittee, by performing the work authorized by this permit shall involve the taking, using, or damaging of any property rights or interests of any other person or persons, or of any publicly owned lands or improvements thereon or interests therein, the permittee, before proceeding, shall obtain the written consent of all persons, agencies, or authorities concerned, and shall acquire all property, rights, and interests needed for the work.

PUBLIC WATER ACCESSES: Permittee shall not unduly inconvenience any member of the general public wishing to use a public water access site. Pursuant to Minnesota Rules, Chapter 6218.0100, subparts 1 and 11: vehicles must be parked only in designated areas and may not obstruct any avenue of ingress or egress to the site or launch area, except when

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CONDITIONS (*Continued from previous page*)

loading and unloading watercraft or other equipment. A person may not place any obstacle or moor any watercraft in a manner that obstructs ingress or egress to a public water access site. Statutory Authority: MS 86A.06. If any equipment will be left unattended on a DNR administered public water access (PWA) the permittee shall contact the local Parks and Trails Area Office to see if additional permits are required. Local Parks and Trails Area Offices can be located on the Minnesota DNR website at https://www.dnr.state.mn.us/contact/locator.html.

NAVIGABLE WATER NOTIFICATION: Permittee shall coordinate with DNR Parks and Trails staff regarding public notification and proper signage along the designated watercourse trail route to ensure public safety during construction and minimize recreational disruption.

MONITORING OF FLOW CONDITIONS: Enbridge will track flows on all surface waters used for water appropriation for HDD and mainline Hydrostatic testing activities by watching the DNR cooperative gaging website: https://www.dnr.state.mn.us/waters/csg/index.html. If flows are below the Q90 for any watershed where appropriation are occurring, Enbridge will switch appropriations to an approved contingency source or cease appropriations until water levels recover as per the signed contingency letter dated October 23, 2020.

BEST MANAGEMENT PRACTICES: All Best Management Practices (BMPs) shall be installed and maintained in accordance with the Minnesota Pollution Control Agency (MPCA) National Discharge Elimination System/State Disposal System (NPDES/SDS) permit, the November 2020 Enbridge's Environmental Protection Plan (EPP) received on November 8, 2020, the MPCA required Stormwater Pollution Prevention Plan (SWPPP), and local regulations.

RELEVANT PLANS: Enbridge will follow all relevant monitoring and management plans for all applicable agencies, including the Post-Construction Vegetation Management Plan for Public Lands and Waters (VMP), the Post-Construction Wetland and Waterbody Plan (PCMP) and the November 2020 Environmental Protection Plan (EPP) received on November 08, 2020.

PUMP INTAKE SCREENS: All pump intakes will have 3/16 inch mesh screens for prevention of fish entrainment.

FLOW METERS: All pumps used for water appropriations for HDD and hydrostatic testing locations must be instrumented with flow meters to record accurate water appropriation volumes. Timing devices are not allowed under this permit.

WELLS USED FOR HDD AND HYDROSTATIC TESTING: All wells used for HDD/Hydrostatic Testing must follow the approved pumping rates per this permit. Listed are the wells with their unique well identification number and the approved pumping rates for each; *Installation 28 from Unique well #718159; 500 gpm *Installation 14/30 from Unique well #763975; 3,000 gpm *Installation 32 from Unique well #232423; 600 gpm *Installation 33 from Unique well #707830; 550 gpm *Installation 18 from Unique well #465115; 800 gpm *Installation 34 from Unique well #797183; 800 gpm *Installation 19 from Unique well #797182; 800 gpm *Installation 35 from Unique well #803210; 800 gpm Approved contingency source Unique well #178734; 1,000 gpm

DISCHARGES FROM HDD PRE-TEST AND BUOYANCY CONTROL WATER: All water discharge after being used for HDD activities must meet the requirements of local, state and federal regulations. Discharges associated with HDD activities must be contained so as not to reach surface waters such as rivers, lakes, streams and wetlands. In certain circumstances the discharges associated with HDD activities shall be hauled off-site, when necessary, and disposed of in accordance with local, state, and federal regulations. All water discharges must follow the AIS conditions in the permit and all water discharged must meet the requirements of the MPCA NPDES/SDS Industrial Wastewater Permit. All land discharges must be 300 feet from a waterbody and in accordance with an MPCA NPDES/SDS Industrial Wastewater Permit.

DISCHARGES FROM MAINLINE HYDROSTATIC TESTING: All water discharged after being used for mainline hydrostatic testing must meet the requirements of local, state, and federal regulations. Water discharged after being used for mainline hydrostatic testing shall be filtered (appropriately treated) and discharged to an upland area and in accordance with an MPCA NPDES/SDS permit or returned to the source water. Discharge rates must be controlled to minimize erosion, scouring and impacts to nearby surface waters. All water discharges must follow AIS conditions and in accordance with an MPCA NPDES/SDS permit. All land discharges must be 300 feet from a surface water.

INVASIVE AND NOXIOUS SPECIES MANAGEMENT PLAN: Equipment used to appropriate water must be drained of water after use and cleaned before transporting the equipment to another site or installation. The permittee and/or authorized agents will remove all plants, mud, debris and organisms from the exterior of the equipment. If invasive species are identified during inspection, Enbridge and/or authorized agents must follow the Invasive and Noxious Species Management Plan submitted November 8, 2020 as part of the November 2020 Environmental Protection Plan (EPP) and

CONDITIONS continued on next page...

CONDITIONS (*Continued from previous page*)

all relevant state rules and regulations.

WILD RICE LAKES AND WATERCOURSES: Enbridge will follow the MPCA guidelines for known wild rice lake and watercourses that no discharges will take place between April 1 and June 15 or discharges may occur during the above restricted time period if the requirements of the MPCA NPDES/SDS Industrial Wastewater Permit are met which include discharges must not cause an elevation rise in the receiving water greater than 2 inches.

PUMPING RATE ON SURFACE WATERS: All appropriation pump rates from surface waters must be set between 1,200 gallons per minute (gpm) to 4,000 gpm. Pump rates must not exceed 4,000 gpm.

GREAT LAKES COMPACT: All water appropriated from these 2 locations for HDD and Hydrostatic testing; Installation 25-East Savanna River/JD #3 at milepost 1086.0, Installation 27-St. Louis River at milepost 1094.4, cannot be removed from the watershed and must be discharged within this watershed. This includes all appropriations east of pipeline milepost 1085.0.

LAKE PROTECTIVE ELEVATONS: The following protective elevations are required as a condition of this Permit. Island Lake (Hubbard County) has a protective elevation at the outlet of 1439.6 feet above sea level (NAVD 1988), Clear (Eagle) Lake (Cass County) has a protective elevation at the outlet of 1314.5 feet above sea level (NAVD 1988) Lake George (Cass County) has a protective elevation at the outlet of 1319.6 feet above sea level (NAVD 1988), and Chub Lake (Carlton County) a landlocked lake, has a protective elevation of 1122.35 feet above sea level (NAVD 1988). All water appropriations must cease when water levels are at the protective elevation for each lake.

MONITORING OF SPECIFIC INSTALLATIONS FOR 10% FLOW: There are four special installations where Enbridge will track flows to ensure that the water appropriation is not exceeding ten percent (10%) of stream flow at the time of appropriation. These locations are; Installation #3 Tamarac River at MP 828.6 Installation #11 Clearwater River at MP 922.2 Contingency source Middle River at MP 835.6 Contingency source Lost River #2 at MP 904 If flows are nearing 89 cfs (the 10% limitation) based on the pumping rate of 3,000 gallon a minute (8.9 cfs), Enbridge will have four options: 1) return water for the mainline hydrostatic test to the source water, 2) reduce pumping rates below 10% of the stream flow, 3) switch appropriations to an approved contingency source or 4) cease appropriations until water levels recover. See Flow Rate for Ten Percent of Stream Flow Memo from DNR on the specifics.

DISSOLVED OXYGEN MONITORING: There are four special installations where Enbridge will monitoring dissolved oxygen levels before, during and after pumping. Enbridge will install dissolved oxygen monitoring equipment downstream of the installation locations in the rivers listed below. Dissolved oxygen levels must be maintained at or above 5 milligrams per Liter (mg/L) during appropriation. If the levels are below 5 mg/L before pumping, Enbridge must install a second dissolved oxygen monitoring equipment upstream of the installation. Both upstream and downstream dissolved oxygen levels must remain the same during pumping. If dissolved oxygen levels drop downstream during pumping, then the appropriation will need to cease until the dissolved oxygen levels recover. The four locations where monitoring equipment must be installed are: Installation #5-Middle River in Marshall County at MP 835.9 Installation #6-Snake River in Marshall County at MP 843.2 Installation #10-Clearwater River in Red Lake County at MP 875.4 Installation #13-Mississippi River in Clearwater County at MP 941.1

CONDITIONS continued on next page...

cc: Kyle Schlomann, Watershed District, Middle Snake Tamarac
Joel Praska, Watershed District, Middle Snake Tamarac
Danny Omdahl, Watershed District, Middle Snake Tamarac
Dan Money, Watershed District, Two Rivers
Myron Jesme, Watershed District, Red Lake
Jess Richards, EWR
Robert Guthrie, EWR
Randall Doneen, EWR
Anna Hess, EWR
Tom Groshens, EWR
Tony Elwell, Conservation Officers, Thief River Falls #2
Calie Kunst, Conservation Officers, Remer
Jeremy Woinarowicz, Conservation Officers, Thief River Falls #1
Jacob Willis, Conservation Officers, Brookston
Amber Ladd, Conservation Officers, McGregor
Taylor Hochstein, Conservation Officers, Hill City
Pat McGowan, Conservation Officers, Pine River
Jeremy Woinarowicz, Conservation Officers, Karlstad
Tony Elwell, Conservation Officers, Karlstad
Jordan Anderson, Conservation Officers, Wadena
Jordan Anderson, Conservation Officers, Park Rapids
Brice Vollbrecht, Conservation Officers, Bemidji #2
Alan Peterson, Conservation Officers, Bemidji #2
Tim Gray, Conservation Officers, Bagley
Thomas Hutchins, Conservation Officers, Crookston
Steve Hofstad, BWSR Wetland Specialists, Pennington
Matt Johnson, BWSR Wetland Specialists, Marshall
Erin Loeffler, BWSR Wetland Specialists, St. Louis
David Demmer, BWSR Wetland Specialists, St. Louis
David Demmer, BWSR Wetland Specialists, Aitkin
Matt Johnson, BWSR Wetland Specialists, Cass
Matt Johnson, BWSR Wetland Specialists, Kittson
Lynda Ponting, BWSR Wetland Specialists, Wadena
Matt Johnson, BWSR Wetland Specialists, Hubbard
Matt Johnson, BWSR Wetland Specialists, Clearwater
Steve Hofstad, BWSR Wetland Specialists, Red Lake
Andrew Herberg, DNR Regional Nongame Specialists, Region 2
Gaea Crozier, DNR Regional Nongame Specialists, Region 2
Amy Westmark, DNR Regional Nongame Specialists, Region 1
Margi Coyle, DNR Regional Environmental Assessment Ecologist, Region 2
Jaime Thibodeaux, DNR Regional Environmental Assessment Ecologist, Region 1
Doug Franke, DNR Wildlife, Thief River Falls
Chris Balzer, DNR Wildlife, Cloquet
Russ Reisz, DNR Wildlife, Aitkin
Christine Reisz, DNR Wildlife, Brainerd
Jason Wollin, DNR Wildlife, Karlstad
Erik Thorson, DNR Wildlife, Park Rapids
Emily Hutchins, DNR Wildlife, Crookston
Deserae Hendrickson, DNR Fisheries, Duluth Area
Rick Bruesewitz, DNR Fisheries, Aitkin Area
Marc Bacigalupi, DNR Fisheries, Brainerd Area
Phil Talmage, DNR Fisheries, Baudette Area
Calub Shavlik, DNR Fisheries, Park Rapids Area
Andy Thompson Barnard, DNR Fisheries, Bemidji Area
Nathan Olson, DNR Fisheries, Detroit Lakes Area
Peter Nelson, County, Pennington
Josh Johnston, County, Marshall
Mark Lindhorst, County, St. Louis

Becky Sovde, County, Aitkin
Terry Neff, County, Aitkin
Robert Wright, County, Cass
John Ringle, County, Cass
Scott Navratil, County, Cass
Barb O'Hara, County, Kittson
Deana Malone, County, Wadena
Gina Dahms, County, Wadena
Eric Buitenwerf, County, Hubbard
Daniel Hecht, County, Clearwater
Joan Lee, County, Red Lake
Kurt Casavan, County, Red Lake
Corps of Engineers, Corps of Engineers, Pennington
Corps of Engineers, Corps of Engineers, Marshall
Corps of Engineers, Corps of Engineers, St. Louis (South)
Corps of Engineers, Corps of Engineers, Aitkin
Corps of Engineers, Corps of Engineers, Cass
Corps of Engineers, Corps of Engineers, Kittson
Corps of Engineers, Corps of Engineers, Wadena
Corps of Engineers, Corps of Engineers, Hubbard
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Steven Hughes, SWCD, Aitkin SWCD
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John Ringle, SWCD, Cass SWCD
Kelly Condiff, SWCD, Cass SWCD
Justin Muller, SWCD, Kittson SWCD
Ben Underhill, SWCD, Wadena SWCD
Darren Newville, SWCD, Wadena SWCD
Mitch Janson, SWCD, Wadena SWCD
Crystal Mathisrud, SWCD, Hubbard SWCD
Chester Powell, SWCD, Clearwater SWCD
Lori Buell, SWCD, Clearwater SWCD
Tanya Hanson, SWCD, Red Lake SWCD
Margaret Peterson, City, Plummer
James DuChamp, City, Plummer