Minnesota Pollution Control Agency
520 Lafayette Road North
St. Paul, MN 55155-4194

Industrial Surface Water Discharge of Process Wastewater Application

NPDES/SDS Permit Program

Doc Type: Permit Application

The National Pollutant Discharge Elimination System (NPDES)/State Disposal System (SDS) Permit Program regulates wastewater discharges to land and surface waters. This application applies to industrial facilities that discharge process wastewater to a surface water of the state. Any other discharge types will require a different permit application.

Complete the application by typing or printing in black ink. Attach additional sheets as necessary. For more information, please contact the Minnesota Pollution Control Agency (MPCA) at: In Metro Area: 651-296-6300 or Outside Metro Area: 800-657-3864.

- Review the application to ensure all requested items are submitted with this application.
- Please make a copy for your records.
- Refer to the Transmittal Form for mailing instructions.

Permittee name: Enbridge Energy, Limited Partnership **Permit number:** MN

Facility information

1. Principal facility activity: Oil Transmission Pipeline
2. Product(s) produced: Transport of crude oil from Canada
3. Amount of product produced per Unit Time (such as tons/year, kilograms/day)*:
   Average: _____ Maximum: 760,000 barrels per day (bpd)
4. Raw material(s) consumed: NA
5. Amount of product consumed per Unit Time (such as tons/year, kilograms/day)*:
   Average: NA Maximum: NA

   Provide both daily maximum and long-term monthly average expected during the five-year permit term. If an effluent limitation guideline applies and is expressed in terms of production (or other measure of operation) please report the expected actual production rates in the units used in the applicable effluent guideline. Consumptive use and/or production rates should be in sufficient detail so as to aid in the development of technology-based effluent limitations. For new discharges, actual production shall be estimated using projected production.
6. Standard Industrial Classification (SIC) Code Number (list all that apply):
   4612
7. If established, please indicate what you believe to be the applicable federal effluent limitation guideline(s) for your waste stream(s):
   40CFR Part 122.41, 122.42, 136, 403 and 503
8. What date did the facility initiate operation? NA; New construction

Water supply

9. What is the source of the intake water supply for the facility?

		Rate of supply (gallons/day)
☐ Municipal water supply, city name:		
☐ Ground water, intake location:		
☒ Surface water, name:	See Supplement to the Application for an Individual NPDES/SDS Permit	See Supplement to the Application for an Individual NPDES/SDS Permit

10. If this is a surface or ground water intake, please provide the Minnesota Department of Natural Resources (DNR) Water Appropriation Permit Number: See Section 2.1 and Attachment F of the Supplement to the

11. Is the intake water supply chlorinated or otherwise disinfected? ☐ Yes ☒ No

12. Is the intake water supply treated with a scale and/or corrosion inhibitor? ☐ Yes ☒ No

Wastewater treatment

13. How does the facility dispose of sewage (sanitary wastewater)?

No sanitary wastewater will be discharged at this facilty.

14. Does the facility generate process wastewater? ☒ Yes ☐ No

If yes, the process wastewater from the facility is disposed of to: (check all that apply)

☐ Municipal storm sewer
☒ Land
☒ Surface water: See Supplement (Attachment G) to the Application for an Individual NPDES/SDS Permit
☐ Sanitary sewer
☐ Stormwater retention basin or pond
☐ Other (specify):
☐ Septic tank/drainfield

15. Provide a complete description of the existing or proposed wastewater treatment system. For existing facilities, indicate what changes, if any, have occurred since the last permit was issued.

See Supplement to the Application for an Individual NPDES/SDS Permit

16. Completely describe the type, amount, and fate of all residual solids, sludge, silage, and by-products generated from facility operations and/or wastewater treatment.

Prior to hydrostatic testing of any pipeline segment, Enbridge will prepare the pipe by removing accumulated construction debris, mill scale, dirt, and dust using a cleaning pig. The debris will be collected and will be properly disposed off-site. The initial discharge of test water may contain materials such as vegetation detritus or suspended solids from the source water, or rust from the pipe itself.

17. Identify the discharge rate in million gallons per day (MGD) and other information for each wastewater outfall discharge point:

Station ID/ Outfall number	Type of wastewater/waste streams	Discharge flow rate, average (MGD)	Discharge flow rate, maximum (MGD)	Discharge frequency	Route to receiving waters
See Supplement to the Application for an Individual NPDES/SDS Permit.	See Supplement to the Application for an Individual NPDES/SDS Permit	See Supplement to the Application for an Individual NPDES/SDS Permit	See Supplement to the Application for an Individual NPDES/SDS Permit	See Supplement to the Application for an Individual NPDES/SDS Permit	See Supplement to the Application for an Individual NPDES/SDS Permit

18. Attach a topographical map of the route of discharge to the receiving waters. If this is a discharge to a storm sewer, you must show the route of the storm sewer to a receiving water body. A map showing only the discharge to a storm sewer is unacceptable. The map must show how and where the facility's waste stream enters a receiving water body.

Groundwater monitoring

19. Are there groundwater monitoring wells or lysimeters at your facility? ☐ Yes ☒ No

If yes, describe where were installed and the reason they were installed:

Hydrostatic test water discharge locations will not be placed near monitoring wells.

Chemical additives

20. List below all chemical additives that are used or proposed to be used at the facility. This includes the process reagents, flocculants, descalants, corrosion inhibitors, biocides, wastewater treatment chemical additives, chlorine or other disinfectants, detergents, cleaning products, freeze conditioning agents, etc. MPCA approval is required for any additives that are new, increasing in usage, or not previously approved. Go to the MPCA chemical additive webpage at: http://www.pca.state.mn.us/a6krka9 to find the documents necessary to complete the approval process. Your additives will **not** be approved for use until you complete this process.

Product name	**Purpose**	**Location in process of chemical addition**	**Frequency of addition**	**Type of application (slug dosing or continuous feed)**	**Average rate of use** (weight or volume per day)	**Maximum rate of use** (weight or volume per day)	**Previously approved? Yes or no**	**Date of approval (mm/dd/yyyy)**
NA							☐ Yes ☐ No	
							☐ Yes ☐ No	
							☐ Yes ☐ No	
							☐ Yes ☐ No	

An Additional Chemical Additives attachment is available on the MPCA website at http://www.pca.state.mn.us/water/permits/index.html if more space is needed.

21. Do you use chemical dust suppressants at your facility? ☐ Yes ☒ No

If yes, fill out table below:

Product name	**Location of use**	**Frequency of use**	**Average rate of use** (weight or volume per day)	**Maximum rate of use** (weight or volume per day)
NA				

Attach the Material Safety Data Sheets, complete product labels and any other information on chemical composition, aquatic toxicity, human health, and environmental fate for each chemical dust suppressant. Chemical dust suppressants are approved separately from the process required in question 20.

Water quality sample results

22. Attach a list of all pollutants known or reasonably believed to be present at each facility discharge point and provide sample results for those pollutants.

Pollutants may include, but are not limited to, total suspended solids, biochemical oxygen demand, pH, fecal coliform, temperature (heat), nutrients (phosphorus, ammonia, nitrate, nitrite), metals, salts, cyanide, residual chlorine, fluoride, oil and grease, polychlorinated biphenyls, phenols, polynuclear aromatic hydrocarbons, volatile organic compounds, pesticides and/or radioactivity. Clearly indicate the date, location where sample was taken, types of wastewater sampled, and method(s) of sampling (e.g. grab, composite) for each sample.

At a minimum, sample results must be provided for total suspended solids (TSS), biochemical oxygen demand (BOD), fecal coliform (if believed present or sanitary wastes will be discharged), pH, and total phosphorus, irrespective of what might be required by an existing permit.

If this is an application for reissuance of an existing permit, review your existing NPDES/SDS permit to see if it has special testing requirements as part of the application for reissuance process.

23. Certified laboratory analyzing samples: See Supplement to the Application for an Individual NPDES/SDS Permit

Minnesota Department of Health Certification Number: _____

Stormwater

24. Is the facility covered by an MPCA stormwater NPDES permit? ☐ Yes ☒ No

    If yes, indicate the permit number (if stormwater discharges are authorized under the stormwater general permit give unique identifying number rather than general permit number): Application for coverage under the general stormwater permit will be submitted 30 days prior to construction per agency conversation; coverage is expected.

25. Does stormwater contact **any** raw or processed materials, finished products, industrial waste, byproducts, or any other type of materials at the facility? ☐ Yes ☒ No

    If yes, describe these materials: _____

26. Is any vehicle maintenance, transportation equipment cleaning, or airport deicing conducted at the facility? ☒ Yes ☐ No

27. Indicate where stormwater from the facility discharges to: Various conveyances along the linear corridor.

28. Summarize any treatment or best management practices that are used to regulate stormwater discharges at the facility:
    Enbridge's Environmental Protection Plan is enclosed and Enbridge's Stormwater Pollution Prevention Plan is available upon request.

Attachments

☐ **Pond Attachment:** If your facility has a pond treatment component (i.e., primary, secondary, aerated, polishing, cooling, etc.), complete the Pond Attachment.