

NPDES Permit No. IL0079952
Notice No. BWC:13010201.bwc

Public Notice Beginning Date: **March 7, 2013**

Public Notice Ending Date: **April 8, 2013**

National Pollutant Discharge Elimination System (NPDES)
Permit Program

Draft New NPDES Permit to Discharge into Waters of the State

Public Notice/Fact Sheet Issued By:

Illinois Environmental Protection Agency
Bureau of Water,
Division of Water Pollution Control
Permit Section
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276
217/782-0610

Name and Address of Discharger:

Enbridge Pipelines (FSP) L.L.C.
4628 Mike Colalillo Drive
Duluth, Minnesota 55807

Name and Address of Facility:

Enbridge Pipelines (FSP) L.L.C.
Flanagan South Pipeline
Various Locations within Adams, Schuyler, Fulton, Mason,
Tazewell, Woodford, and Livingston Counties
(Adams, Schuyler, Fulton, Mason, Tazewell, Woodford, and
Livingston Counties)

The Illinois Environmental Protection Agency (IEPA) has made a tentative determination to issue a NPDES permit to discharge into the waters of the state and has prepared a draft permit and associated fact sheet for the above named discharger. The Public Notice period will begin and end on the dates indicated in the heading of this Public Notice/Fact Sheet. The last day comments will be received will be on the Public Notice period ending date unless a commentor demonstrating the need for additional time requests an extension to this comment period and the request is granted by the IEPA. Interested persons are invited to submit written comments on the draft permit to the IEPA at the above address. Commentors shall provide his or her name and address and the nature of the issues proposed to be raised and the evidence proposed to be presented with regards to those issues. Commentors may include a request for public hearing. Persons submitting comments and/or requests for public hearing shall also send a copy of such comments or requests to the permit applicant. The NPDES permit and notice number(s) must appear on each comment page.

The application, engineer's review notes including load limit calculations, Public Notice/Fact Sheet, draft permit, comments received, and other documents are available for inspection and may be copied at the IEPA between 9:30 a.m. and 3:30 p.m. Monday through Friday when scheduled by the interested person.

If written comments or requests indicate a significant degree of public interest in the draft permit, the permitting authority may, at its discretion, hold a public hearing. Public notice will be given 45 days before any public hearing. Response to comments will be provided when the final permit is issued. For further information, please call Brian W. Cox at 217/782-0610.

The applicant is engaged in the construction of a crude oil pipeline (SIC 4612) which is approximately 600 miles long, 36 inch diameter and runs from Flanagan, Illinois to Cushing, Oklahoma. The construction of a new crude oil pipeline will result in temporary intermittent discharges of hydrostatic test water from Outfalls 001, 002, 003, 004, 005, and 006. An approximate total volume of 8.42 million gallons of hydrostatic test water will be discharged from Outfall 001, 13.63 million gallons from Outfall 002, 17.10 million gallons from Outfall 003, 11.14 million gallons from Outfall 004, 6.47 million gallons from Outfall 005, and 6.47 million gallons from Outfall 006. The hydrostatic test water will be discharged at a maximum rate of 5.04 MGD from each outfall.

An antidegradation assessment is not required for short term, temporary (i.e. weeks or months) lowering of water quality, according to 35 IAC 302.205(d)(1). Discharges from this facility will be temporary and each discharge will occur over a period of two days to three weeks, so an antidegradation assessment is not required.

Application is made for the new discharge(s) which are located in Adams, Schuyler, Fulton, Mason, Tazewell, Woodford, and Livingston Counties, Illinois. The following information identifies the discharge point, receiving stream and stream classifications:

<u>Outfall</u>	<u>Receiving Stream</u>	<u>Latitude</u>		<u>Longitude</u>		<u>Stream Classification</u>	<u>Integrity Rating</u>
001	Vermilion River	40° 54' 38"	North	88° 41' 46"	West	General Use	A
002	Mackinaw River	40° 26' 43"	North	89° 34' 41"	West	General Use	Not Rated
003	La Moine River	40° 08' 40"	North	90° 41' 50"	West	General Use	Not Rated
004	Illinois River	40° 16' 16"	North	90° 05' 33"	West	General Use	Not Rated
005	Bear Creek	39° 58' 08"	North	91° 25' 38"	West	General Use	Not Rated
006	Mississippi River	39° 58' 50"	North	91° 27' 12"	West	General Use	Not Rated

To assist you further in identifying the location of the discharge please see the attached maps.

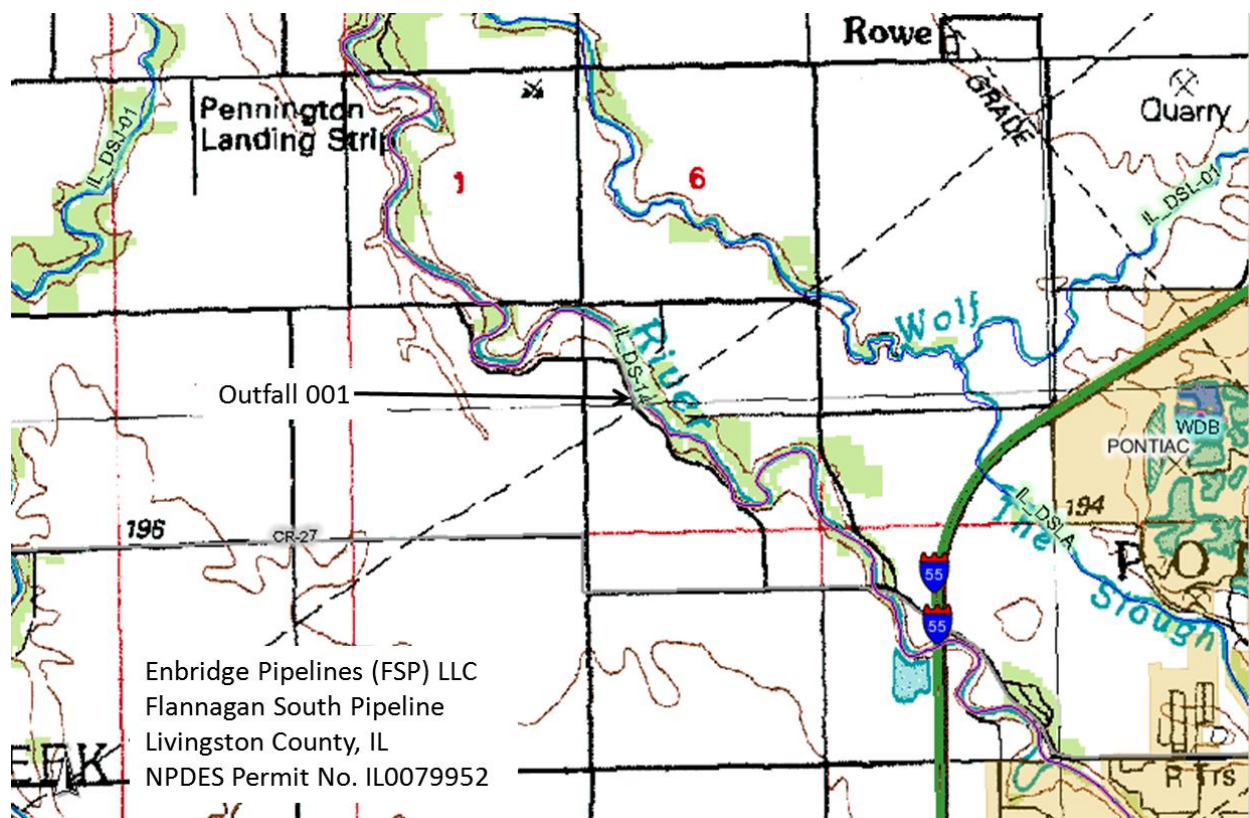
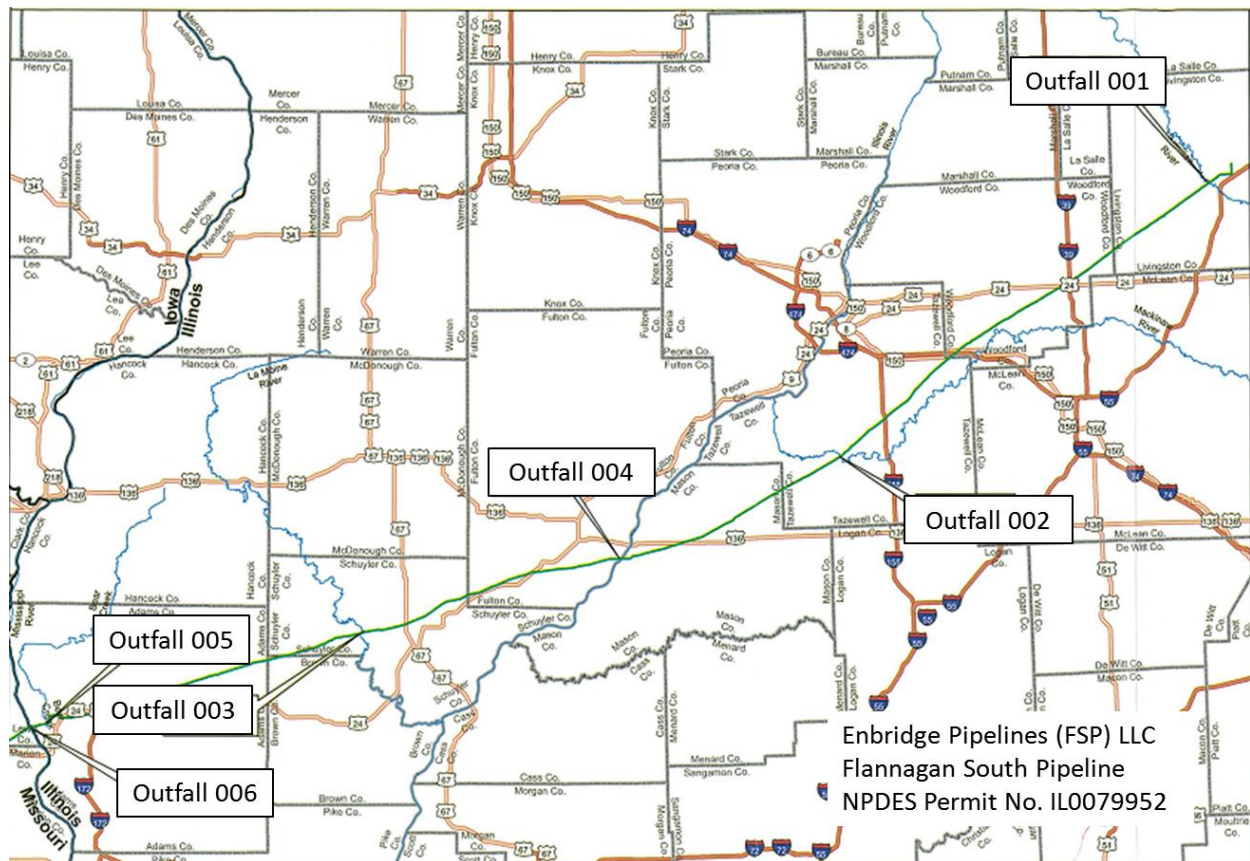
The stream segments receiving the discharges from outfall(s) 003 and 005 are not on the draft 2012 303(d) list of impaired waters.

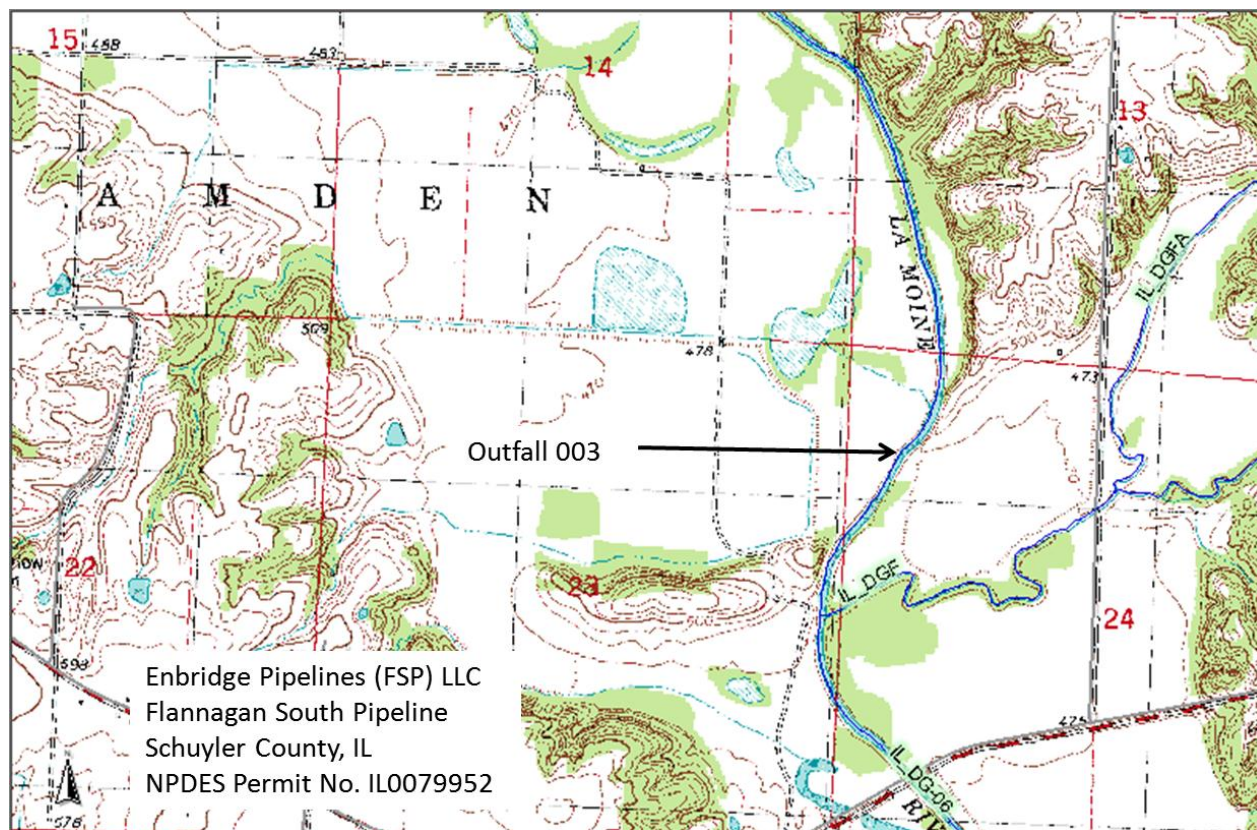
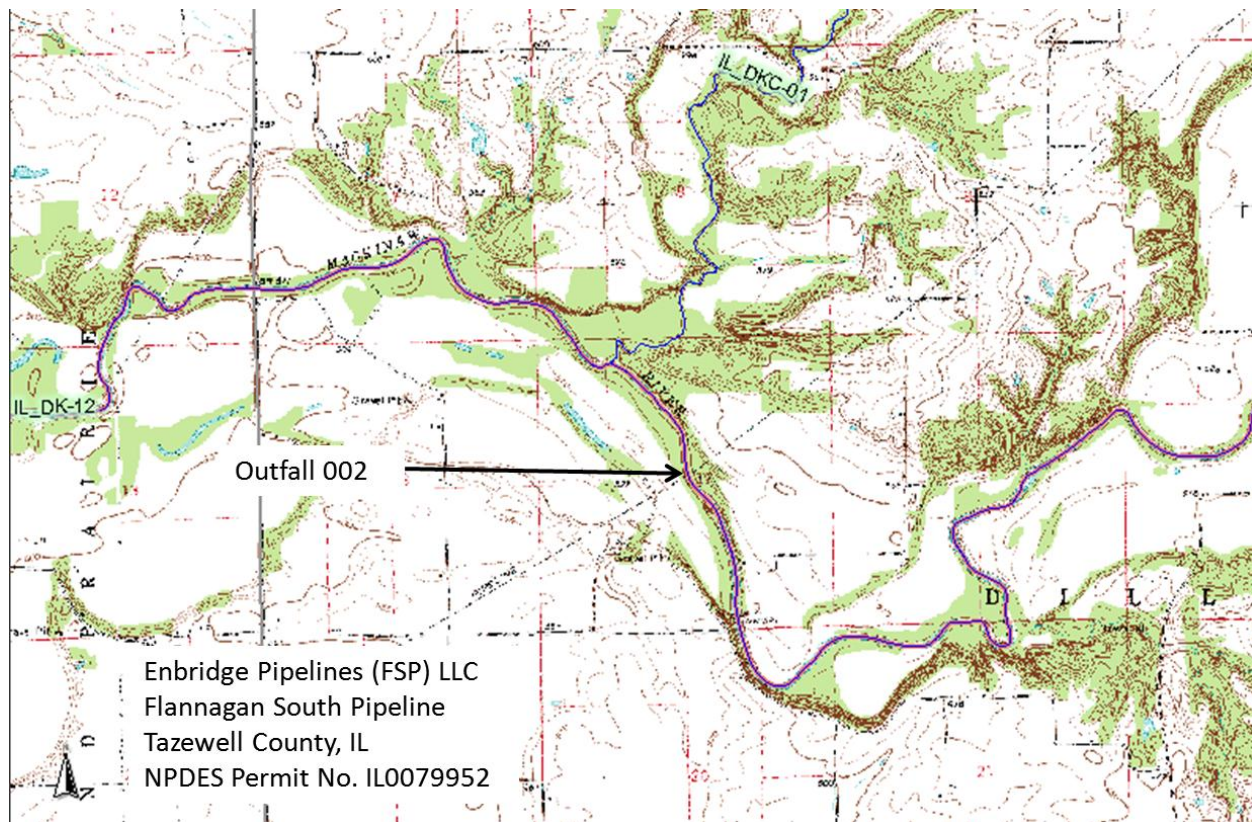
The stream segments, IL_DS-14 of the Vermilion River, receiving the discharge from outfall(s) 001, IL_DK-12 of the Mackinaw River, receiving the discharge from outfall(s) 002, IL_DG-06 of the La Moine River, receiving the discharge from outfall(s) 003, IL_D-31 of the Illinois River, receiving the discharge from outfall(s) 004, and IL_K-17 of the Mississippi River, receiving the discharge from outfall(s) 006, are on the draft 2012 303(d) list of impaired waters. The following parameters have been identified as the pollutants causing impairment:

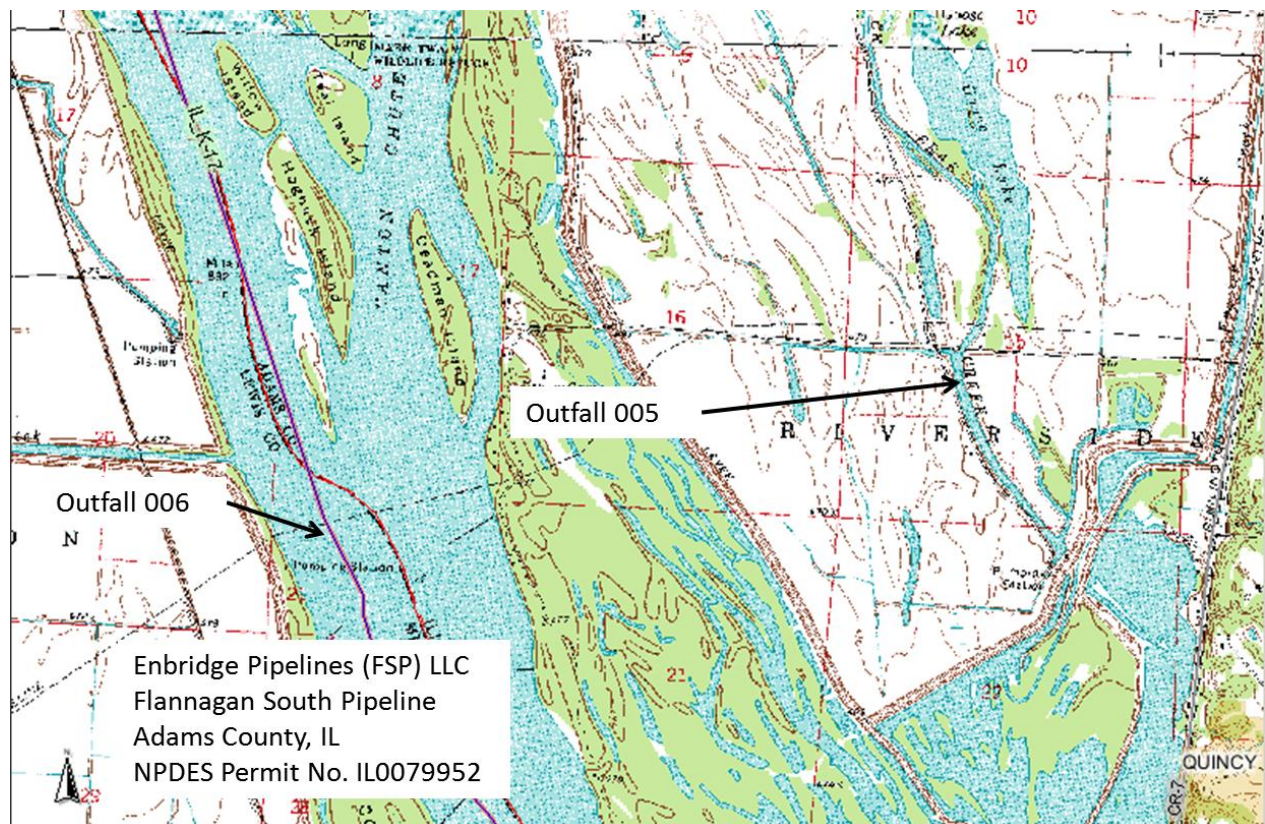
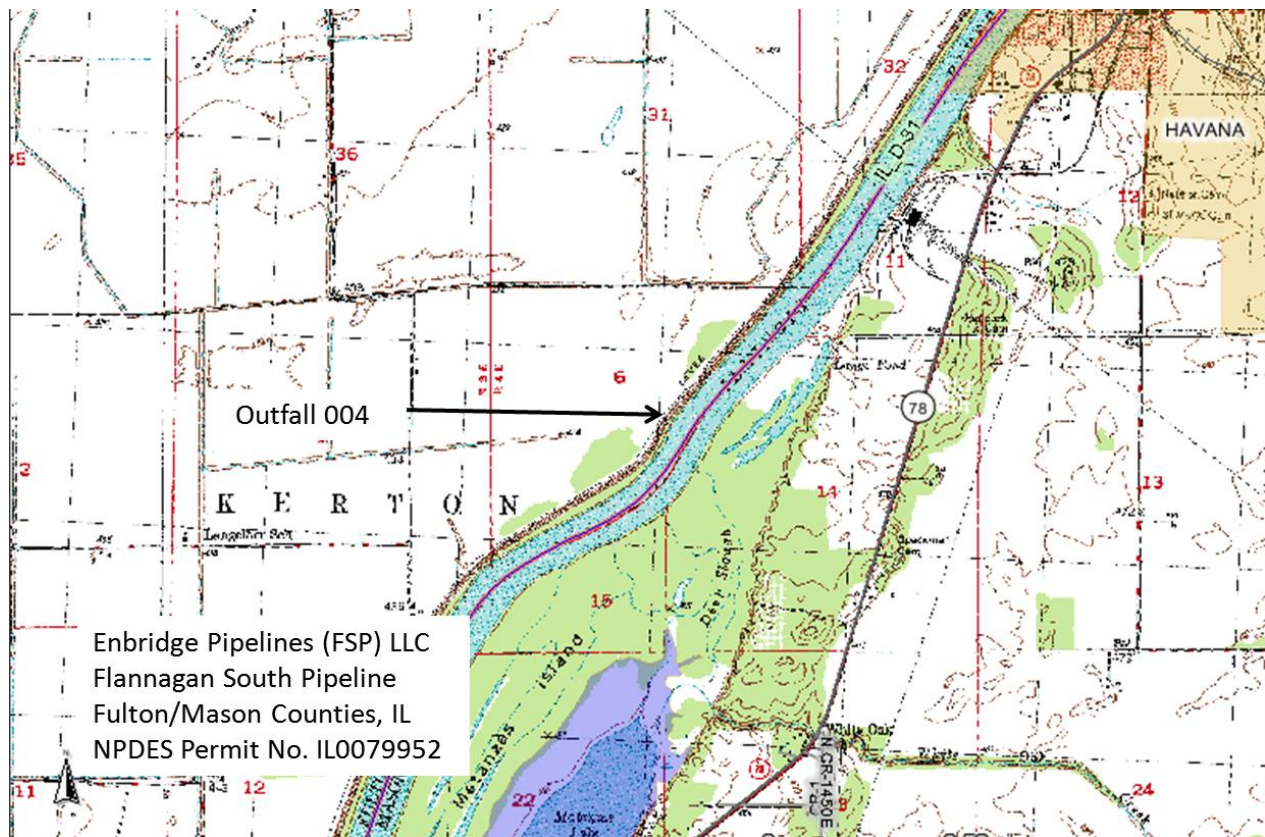
<u>Outfall</u>	<u>Designated Uses</u>	<u>Potential Causes</u>
001	Public and Food Processing Water Supplies	Nitrogen, Nitrates
002	Fish Consumption	Polychlorinated biphenyls
002	Primary Contact Recreation	Fecal Coliform
004	Fish Consumption	Mercury, Polychlorinated biphenyls
004	Primary Contact Recreation	Fecal Coliform
006	Fish Consumption	Mercury, Polychlorinated biphenyls
006	Public and Food Processing Water Supplies	Manganese

The stream segment, IL_DS-14 of the Vermilion River, receiving the discharge from outfall(s) 001 is considered a biologically significant stream and was given a Stream Integrity Rating of A on the 2008 Illinois Department of Natural Resources Publication – *Integrating Multiple Taxa in a Biological Stream Rating System*.

The stream segments receiving the discharges from outfall(s) 002, 003, 004, 005, and 006 are not considered biologically significant streams and are not given a Stream Integrity Rating on the 2008 Illinois Department of Natural Resources Publication – *Integrating Multiple Taxa in a Biological Stream Rating System*.







The discharge(s) from the facility shall be monitored and limited at all times as follows:

Outfalls: 001, 002, 003, 004, 005, and 006

	LOAD LIMITS lbs/day <u>DAF (DMF)</u>			CONCENTRATION <u>LIMITS mg/l</u>		
PARAMETER	30 DAY AVERAGE	DAILY MAXIMUM	REGULATION	30 DAY AVERAGE	DAILY MAXIMUM	REGULATION
Flow (MGD)				Monitor Only		
pH			Shall be within the range 6.0 - 9.0 s.u.			35 IAC 304.125
Total Suspended Solids				15	30	35 IAC 304.124(a)
Iron (Total)				2.0	4.0	35 IAC 304.124(a)
Oil & Grease				15	30	35 IAC 304.124(a)
Total Residual Chlorine					0.05	35 IAC 302.208(e) & 40 CFR 125.3

The following explain the conditions of the proposed permit:

The special conditions clarify flow monitoring requirements, pH limits, monitoring location, and DMR submission requirements.

In order to prevent the transfer of biologic organisms from one waterbody to another, hydrostatic test water withdrawn from any water body may only be returned to its origin.

Alternatively, the permittee may discharge hydrostatic test water from any municipal source to any of the named receiving streams provided the water will not cause a violation of water quality standards.

If any treatment process other than chlorination is to be used for biological treatment, approval from the Illinois EPA must be obtained prior to treatment.

NPDES Permit No. IL0079952

Illinois Environmental Protection Agency

Division of Water Pollution Control

1021 North Grand Avenue East

Post Office Box 19276

Springfield, Illinois 62794-9276

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

New (NPDES) Permit

Expiration Date:

Issue Date:

Effective Date:

Name and Address of Permittee:

Facility Name and Address:

Enbridge Pipelines (FSP) L.L.C.
4628 Mike Colalillo Drive
Duluth, Minnesota 55807

Enbridge Pipelines (FSP) L.L.C.
Flannagan South Pipeline
Various Locations within Adams, Schuyler, Fulton,
Mason, Tazewell, Woodford, and Livingston Counties
(Adams, Schuyler, Fulton, Mason, Tazewell, Woodford,
and Livingston Counties)

Discharge Number and Name:

Receiving Waters:

001 Hydrostatic Test Water
002 Hydrostatic Test Water
003 Hydrostatic Test Water
004 Hydrostatic Test Water
005 Hydrostatic Test Water
006 Hydrostatic Test Water

Vermilion River
Mackinaw River
La Moine River
Illinois River
Bear Creek
Mississippi River

In compliance with the provisions of the Illinois Environmental Protection Act, Title 35 of Ill. Adm. Code, Subtitle C and/or Subtitle D, Chapter 1, and the Clean Water Act (CWA), the above-named permittee is hereby authorized to discharge at the above location to the above-named receiving stream in accordance with the standard conditions and attachments herein.

Permittee is not authorized to discharge after the above expiration date. In order to receive authorization to discharge beyond the expiration date, the permittee shall submit the proper application as required by the Illinois Environmental Protection Agency (IEPA) not later than 180 days prior to the expiration date.

Alan Keller, P.E.
Manager, Permit Section
Division of Water Pollution Control

SAK:DEL:BWC:13010201.bwc

NPDES Permit No. IL0079952

Effluent Limitations and Monitoring

1. From the effective date of this permit until the expiration date, the effluent of the following discharge(s) shall be monitored and limited at all times as follows:

Outfall(s): 001 – Hydrostatic Test Water (DAF = 5.04 MGD)
 002 – Hydrostatic Test Water (DAF = 5.04 MGD)
 003 – Hydrostatic Test Water (DAF = 5.04 MGD)
 004 – Hydrostatic Test Water (DAF = 5.04 MGD)
 005 – Hydrostatic Test Water (DAF = 5.04 MGD)
 006 – Hydrostatic Test Water (DAF = 5.04 MGD)

PARAMETER	LOAD LIMITS lbs/day DAF (DMF)		CONCENTRATION LIMITS mg/l		SAMPLE FREQUENCY	SAMPLE TYPE
	30 DAY AVERAGE	DAILY MAXIMUM	30 DAY AVERAGE	DAILY MAXIMUM		
Flow (MGD)	See Special Condition 8				Once per Discharge	Measurement
pH	See Special Condition 1				Once per Discharge	Grab
Total Suspended Solids			15	30	Once per Discharge	Grab
Iron (Total)			2.0	4.0	Once per Discharge	Grab
Oil & Grease			15	30	Once per Discharge	Grab
Total Residual Chlorine*				0.05	Once per Discharge	Grab

*See Special Conditions 11 & 12 for applicability of limit.

NPDES Permit No. IL0079952

Special Conditions

SPECIAL CONDITION 1. The pH shall be in the range of 6.0 to 9.0 Standard Units. The minimum and maximum values for each discharge shall be reported on the DMR form.

SPECIAL CONDITION 2. In addition to other requirements of this permit, no effluent shall contain settleable solids, floating debris, visible oil, grease, scum, or sludge solids. Color (including color resulting from dyes or tracers in the hydrostatic test water) odor and turbidity shall be reduced to below obvious levels.

SPECIAL CONDITION 3. Appropriate measures shall be taken to prevent water quality impacts resulting from soil erosion due to the discharge. The discharge flow rate shall be controlled so as not to cause scouring or other damage to stream beds or banks.

SPECIAL CONDITION 4. Samples taken in compliance with the effluent monitoring requirements shall be taken at a point representative of the discharge, but prior to entry into the receiving stream.

SPECIAL CONDITION 5. The Permittee shall record monitoring results on Discharge Monitoring Report (DMR) Forms using one such form for each outfall each month. In the comment section of the DMR Forms the permittee shall include a description of the location of each discharge.

In the event that an outfall does not discharge during a monthly reporting period, the DMR Form shall be submitted with no discharge indicated.

The Permittee may choose to submit electronic DMRs (eDMRs) instead of mailing paper DMRs to the IEPA. More information, including registration information for the eDMR program, can be obtained on the IEPA website, <http://www.epa.state.il.us/water/edmr/index.html>.

The completed Discharge Monitoring Report forms shall be submitted to IEPA no later than the 15th day of the following month, unless otherwise specified by the permitting authority.

Permittees not using eDMRs shall mail Discharge Monitoring Reports with an original signature to the IEPA at the following address:

Illinois Environmental Protection Agency
Division of Water Pollution Control
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276

Attention: Compliance Assurance Section, Mail Code # 19

SPECIAL CONDITION 6. Solid wastes such as straw used for filtering or erosion control shall be disposed of in accordance with state and federal law.

SPECIAL CONDITION 7. The permittee shall provide telephone notification to the appropriate IEPA Regional Office at least 1 week prior to any hydrostatic pipeline testing which may result in a discharge. Contact the Springfield Regional Office at 217/786-6892 for discharges in the following counties: Adams, Mason, and Schuyler Counties. Contact the Peoria Regional Office at 217/693-5463 for discharges in Fulton, Tazewell, and Woodford Counties. And contact the Champaign Regional Office at 217/333-8361 for discharges in the following Livingston County.

SPECIAL CONDITION 8. Flow shall be measured in units of Million Gallons per Day (MGD) and reported as a monthly average and a daily maximum on the Discharge Monitoring Report.

SPECIAL CONDITION 9. When test water is discharged to the same waterbody from which it was withdrawn, compliance with the numerical effluent standards is not required when effluent concentrations in excess of the standards result entirely from influent contamination, evaporation, and/or the incidental addition of traces of materials not utilized or produced in the hydrostatic test activity that is the source of the waste.

SPECIAL CONDITION 10. If an applicable effluent standard or limitation is promulgated under Sections 301(b)(2)(C) and (D), 304(b)(2), and 307(a)(2) of the Clean Water Act and that effluent standard or limitation is more stringent than any effluent limitation in the permit or controls a pollutant not limited in the NPDES Permit, the Agency shall revise or modify the permit in accordance with the more stringent standard or prohibition and shall so notify the permittee.

NPDES Permit No. IL0079952

Special Conditions

SPECIAL CONDITION 11. When the wastewater contains or could contain total residual chlorine (TRC), the permittee will be required to test for TRC as described on page 2 of this permit.

All samples for total residual chlorine (TRC) shall be analyzed by an applicable method contained in 40 CFR 136, equivalent in accuracy to low-level amperometric titration. Any analytical variability of the method used shall be considered when determining the accuracy and precision of the results obtained.

The water quality standards for TRC (0.011 mg/L ave. and 0.019 mg/L max.) are below the method detection level (0.05 mg/L) as described in 40 CFR 136. Therefore, for the purpose of this permit, the method detection level will be utilized to determine compliance with the permit limit for TRC. A measurement of <0.05 mg/L reported on the DMR shall not be considered a violation of the water quality based effluent limit. This reporting threshold is being established to determine compliance and does not authorize the discharge of TRC in excess of the water quality based effluent limit.

SPECIAL CONDITION 12. For the purposes of this permit, discharges from Outfalls 001, 002, 003, 004, 005, and 006 are limited to hydrostatic test water generated from the testing of new pipe that has not contained any product, and is free from process or any other wastewater discharge.

SPECIAL CONDITION 13. Except for the situation described in (A) below, the permittee shall only discharge hydrostatic test water to the origin from which the source water was drawn. For all treatment programs, including chlorination, written notification to the Illinois EPA shall be submitted and shall include a complete description of the proposed treatment process as well as information explaining the basis of design. Only those treatment programs approved by the Illinois EPA may be implemented. The permit may be modified to include additional limits and conditions following public notice and opportunity for hearing.

(A)The permittee may discharge hydrostatic test water from any municipal source to any of the watersheds identified above provided the water will not cause any violation of water quality standards. If the source water is chlorinated then the water must meet the limit for total residual chlorine listed on page two of this permit prior to discharge. The permittee shall provide written notification to the Illinois EPA in the event that treatment processes other than chlorination are to be utilized for biological treatment. The notification shall include a description of the proposed treatment process along with basis of design information. Only those treatment programs approved by the Illinois EPA may be implemented. The permit may be modified to include additional limits and conditions based on the alternative treatment proposed. Any modification of the permit will follow public notice and opportunity for a public hearing.

CONSTRUCTION AUTHORIZATION

Authorization is hereby granted to construct treatment works and related equipment that may be required to treat hydrostatic test water.

This Authorization is subject to the following conditions:

1. If any statement or representation is found to be incorrect, this authorization may be revoked and the permittee thereupon waives all rights thereunder.
2. The issuance of this authorization (a) does not release the permittee from any liability for damage to persons or property caused by or resulting from the installation, maintenance or operation of the proposed facilities; (b) does not take into consideration the structural stability of any units or part of this project; and (c) does not release the permittee from compliance with other applicable statutes of the State of Illinois, or other applicable local law, regulations or ordinances.
3. Plans and specifications of all treatment equipment for the control of biological organisms, including but not limited to zebra mussels, shall be submitted to the Illinois EPA for approval prior to construction and operation.
4. Any modification of or deviation from the plans and specifications originally submitted must be approved by the Illinois EPA prior to initiation.
5. Construction activities which result from treatment equipment installation, including clearing, grading and excavation activities which result in a disturbance of one acre or more of land area are not covered by this authorization. The permittee shall contact the Illinois EPA regarding required permits.