

NPDES Permit No. IL0080073
Notice No. SMT:14121601.smt

Public Notice Beginning Date: **February 11, 2015**

Public Notice Ending Date: **March 13, 2015**

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 Energy Limited Partnership
1409 Hammond Avenue
Superior, Wisconsin 54880

Name and Address of Facility:

Enbridge Energy Limited Partnership
(Livingston, Kankakee, Will, and Cook 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 Shu-Mei Tsai at 217/782-0610.

The applicant is engaged in the operation of natural gas pipeline (SIC 4925). Waste water is generated from hydrostatic testing of natural gas transmission lines. Water will be obtained from the Kankakee River, Muir Pond, an unnamed tributary of West Fork Mazon, Alreja Pond, Rock Creek, Pacoria Pond, and Crane Creek. Testing activities will result in an average discharge of 2.88 MGD of hydrostatic test water from outfall 001, 2.88 MGD of hydrostatic test water from outfall 002, 2.88 MGD of hydrostatic test water from outfall 003, 2.88 MGD of hydrostatic test water from outfall 004, 2.88 MGD of hydrostatic test water from outfall 005, 2.88 MGD of hydrostatic test water from outfall 006, and 2.88 MGD of hydrostatic test water from outfall 007.

Total Suspended Solids				15	30	35 IAC 304.124
Oil and Grease				15	30	35 IAC 304.124
Iron				2	4	35 IAC 304.124

The following explain the conditions of the proposed permit:

The special conditions clarify flow monitoring, pH limits, monitoring locations, DMR submission requirements, withdrawal of source water, and various other discharge requirements.

Antidegradation Assessment for Enbridge Pipelines – Flanagan Terminal
NPDES Permit No. IL0080073 Livingston, Grundy, Kankakee, Will and Cook Counties

The subject facility (“Applicant”) has applied for a new NPDES permit associated with the proposed construction of 79 miles of new 36” crude oil pipeline extending from Enbridge’s Flanagan, Illinois terminal to a petroleum terminal hub in Griffith, Indiana. The Applicant plans to begin construction of the pipeline in the first quarter of 2015. Following installation, the pipeline would be hydrostatically tested to verify its integrity prior to being placed into service in the fourth quarter of 2015. Once the pipeline is in operation, there would be no recurring discharges of hydrostatic test water.

The entire pipeline would be tested in three separate segments, with the majority of testing to be done with water withdrawn from and returned to the Kankakee River. Additional sections of pipe to be installed using the horizontal directional drill (HDD) method would be tested independently. Local surface water would be utilized for hydrostatic testing and would only come in contact with the new pipeline and equipment, therefore no addition of pollutants to the test water is expected. Following testing, the test water would be discharged at a maximum rate of 2,000 gallons per minute to an energy dissipating device to prevent scouring at the discharge points. The discharge rate would be monitored and adjusted as necessary to prevent erosion or turbid conditions in the receiving waters. In the event that the hydrostatic test of a pipeline segment is unsuccessful, the Applicant may be required to dewater and repair the pipeline segment. The pipeline segment would then be re-tested, which would result in an additional discharge event. Pipelines to be installed using HDD methods would be tested once before installation and potentially once following installation if required. Source water used for testing would be withdrawn from and returned to the same bodies of water. Water bodies associated with the proposed activities include the Kankakee River (Outfall 001 – Four test segments consisting of a 10.1 million gallon discharge, two 5.5 million gallon discharges, and one or two discharges of 200,000 gallons), Muir Pond (Outfall 002 – One or two discharges of 165,000 gallons), an unnamed tributary of West Fork Mazon River (Outfall 003 – One or two discharges of 165,000 gallons), Alreja Pond (Outfall 004 – Maximum of four discharges totaling 530,000), Rock Creek (Outfall 005 – One or two discharges of 165,000 gallons), Pacoria Pond (Outfall 006 – One or two discharges of 200,000 gallons) and Crane Creek (Outfall 007 – One or two discharges of 200,000 gallons). Additional outfalls associated with this permit would be received by water bodies located in Lake County, Indiana, and are therefore not subject to review in this assessment.

Identification and Characterization of the Affected Water Body.

Muir Pond, Alreja Pond, Pacoria Pond, Crane Creek, and the unnamed tributary of West Fork Mazon River are General Use water bodies with zero 7Q10 flow. They have not been assessed by the Agency and therefore are not listed on the draft 2014 Illinois Integrated Water Quality Report and Section 303(d) List. They are not listed as biologically significant streams in the 2008 Illinois Department of Natural Resources Publication *Integrating Multiple Taxa in a Biological Stream Rating System* and have not been given an integrity rating in that document. The water bodies are not subject to enhanced dissolved oxygen standards.

Segment F-04 of the Kankakee River is a General Use water with 470 cfs of 7Q10 flow existing upstream of the proposed outfall location. It is listed on the 2014 Illinois Integrated Water Quality Report and Section 303(d) List as being impaired for fish consumption use (potential causes = mercury and polychlorinated biphenyls). The water body is listed as a biologically significant stream in the 2008 Illinois Department of Natural Resources Publication *Integrating Multiple Taxa in a Biological Stream Rating System* and has been given a “B” integrity rating in that document. It is an enhanced water body in regards to the dissolved oxygen standards.

Segment FF-01 of Rock Creek is a General Use water with zero cfs of 7Q10 flow existing upstream of the proposed outfall location. It has been assessed by the Agency and was found to be fully supportive of all assessed uses, therefore it is not listed on the 2014 Illinois Integrated Water Quality Report and Section 303(d) List. It is not listed as a biologically significant stream in the 2008 Illinois Department of Natural Resources Publication *Integrating Multiple Taxa in a Biological Stream Rating System* and has not been given an integrity rating in that document. The water body is not subject to enhanced dissolved oxygen standards.

Identification of Proposed Pollutant Load Increases or Potential Impacts on Uses.

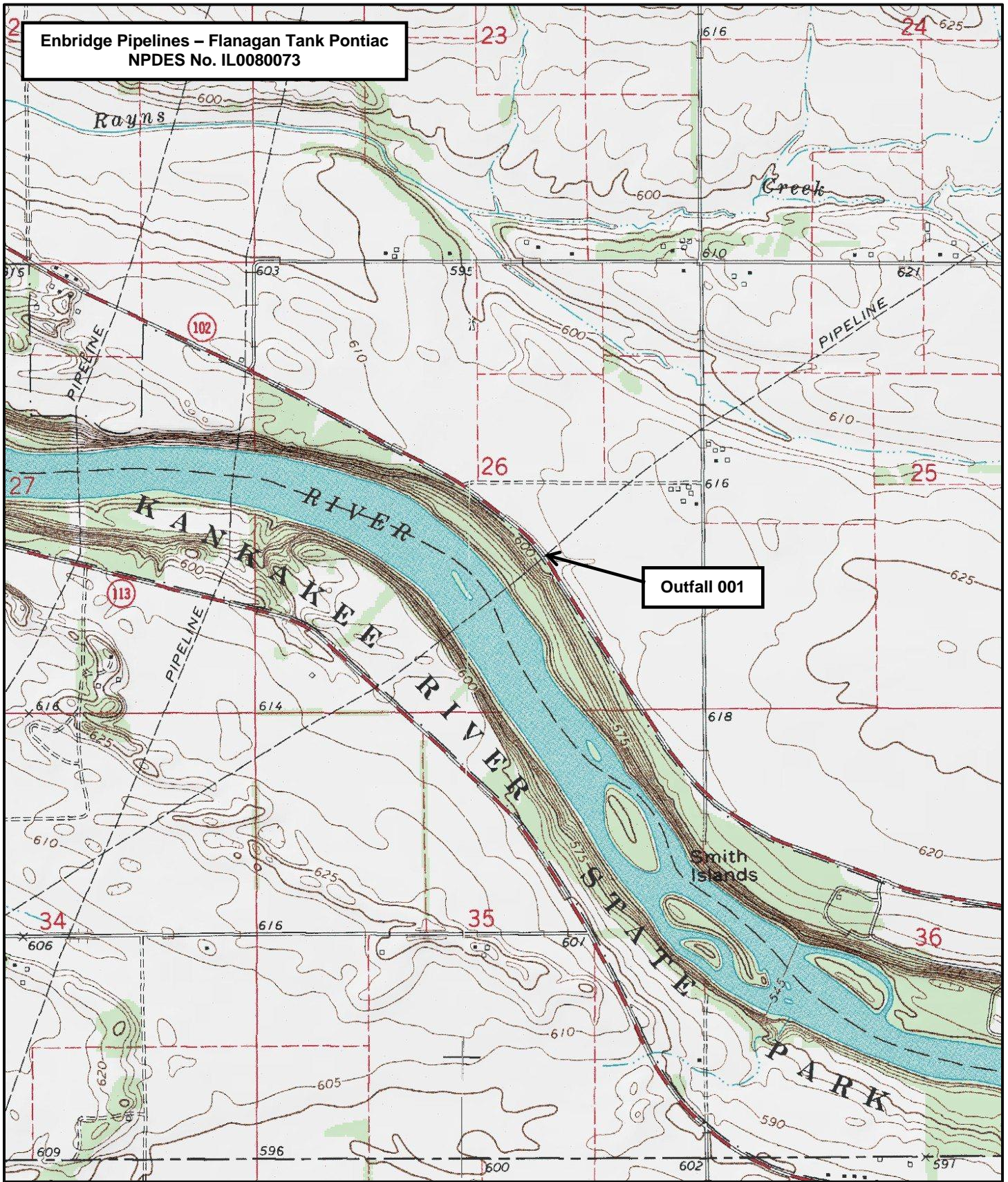
The Applicant proposes to withdraw surface water for hydrostatic testing and return the water to the same bodies of water. The activities would be short-term and temporary and are not expected to impact water quality. Given that the pipeline is new, the pollutants typically associated with hydrostatic testing (e.g., oil/grease, BETX) would not be present. No increase in pollutant loading to the receiving waters is expected to occur.

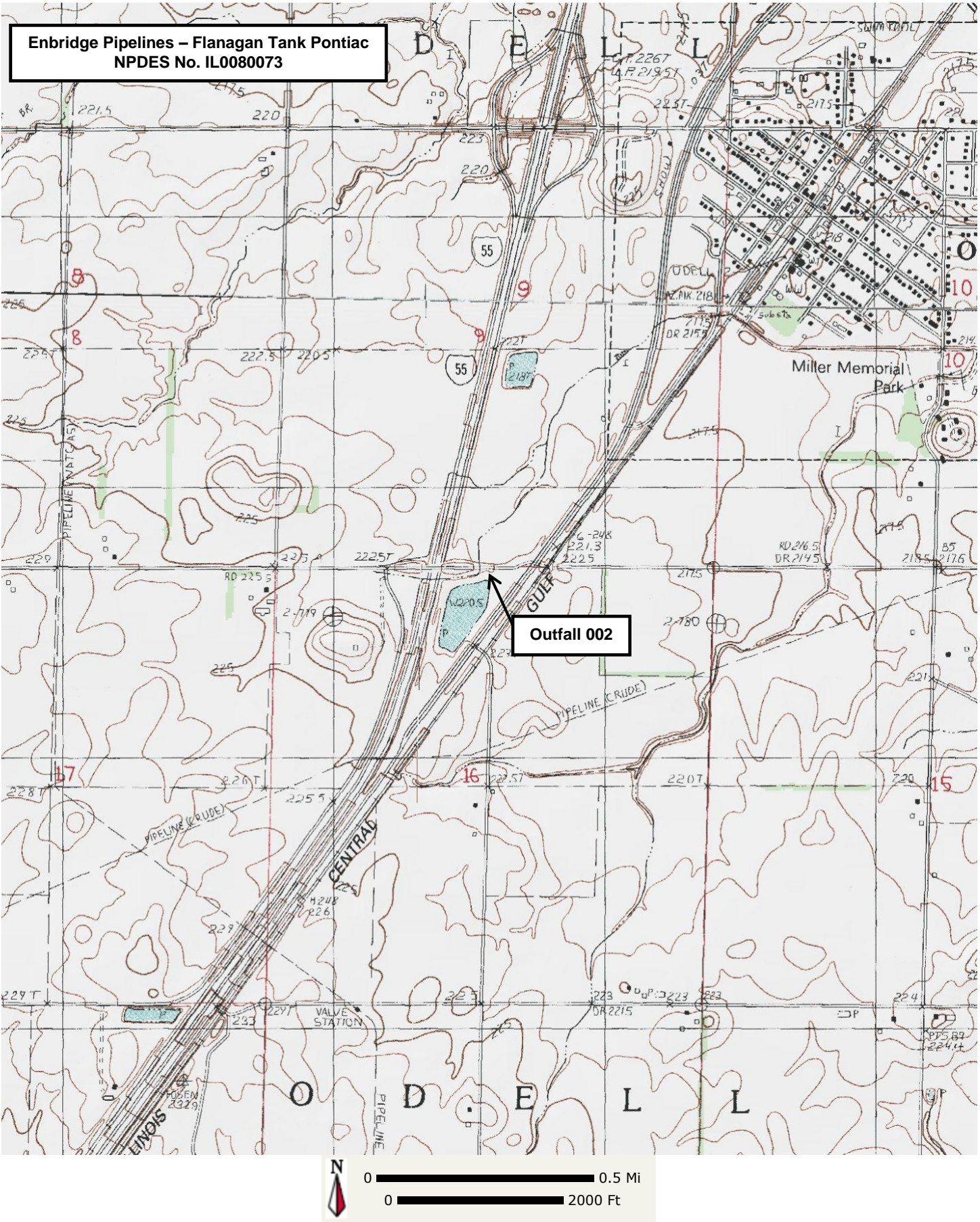
Summary Comments of the Illinois Department of Natural Resources, Regional Planning Commissions, Zoning Boards or Other Entities.

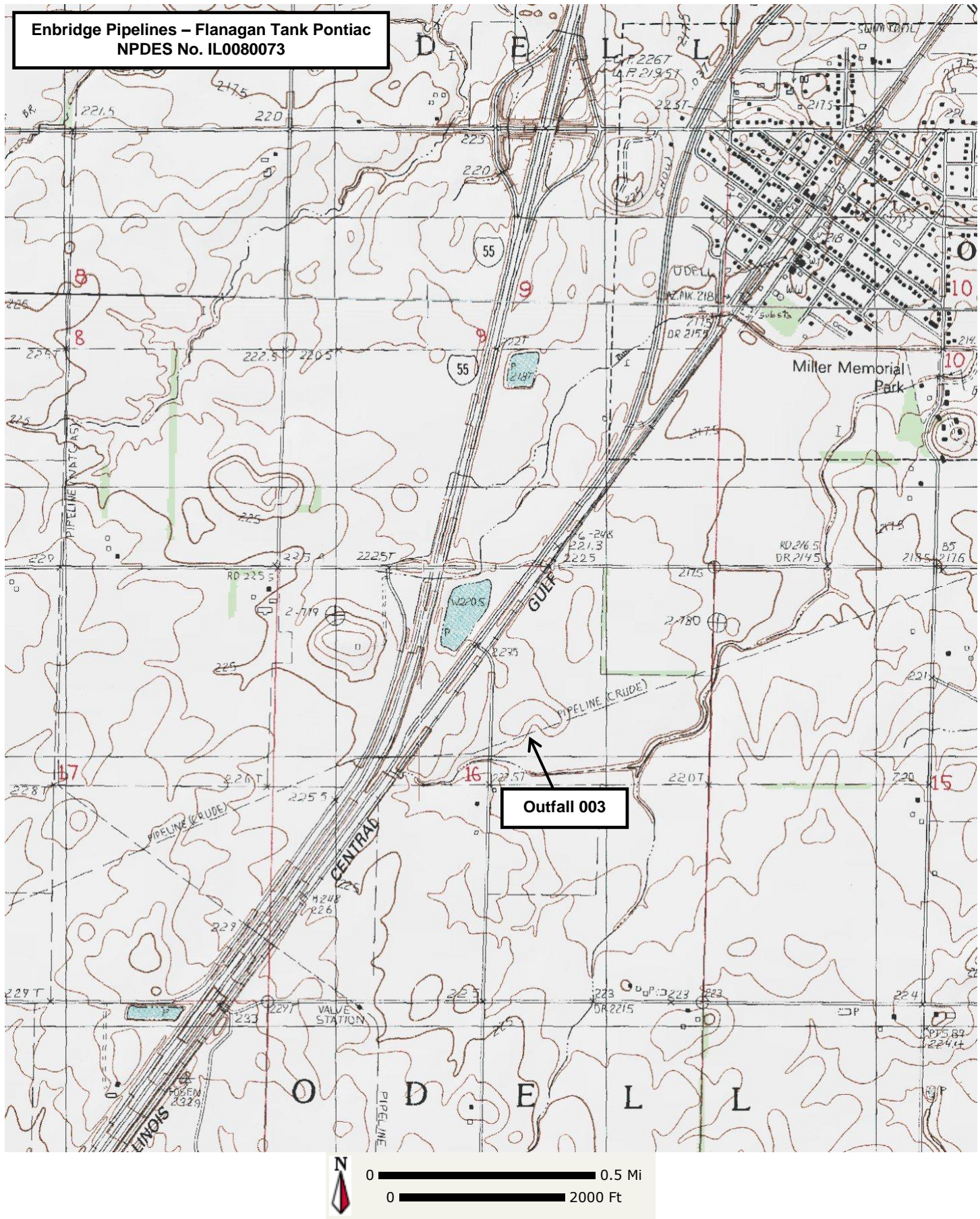
The IDNR EcoCAT system was consulted on December 23-24, 2013. Protected resources were identified as potentially being present near the project area, but IDNR evaluated this information and determined adverse effects are unlikely. Consultation was terminated in the December 24, 2013 letter from IDNR to the Applicant.

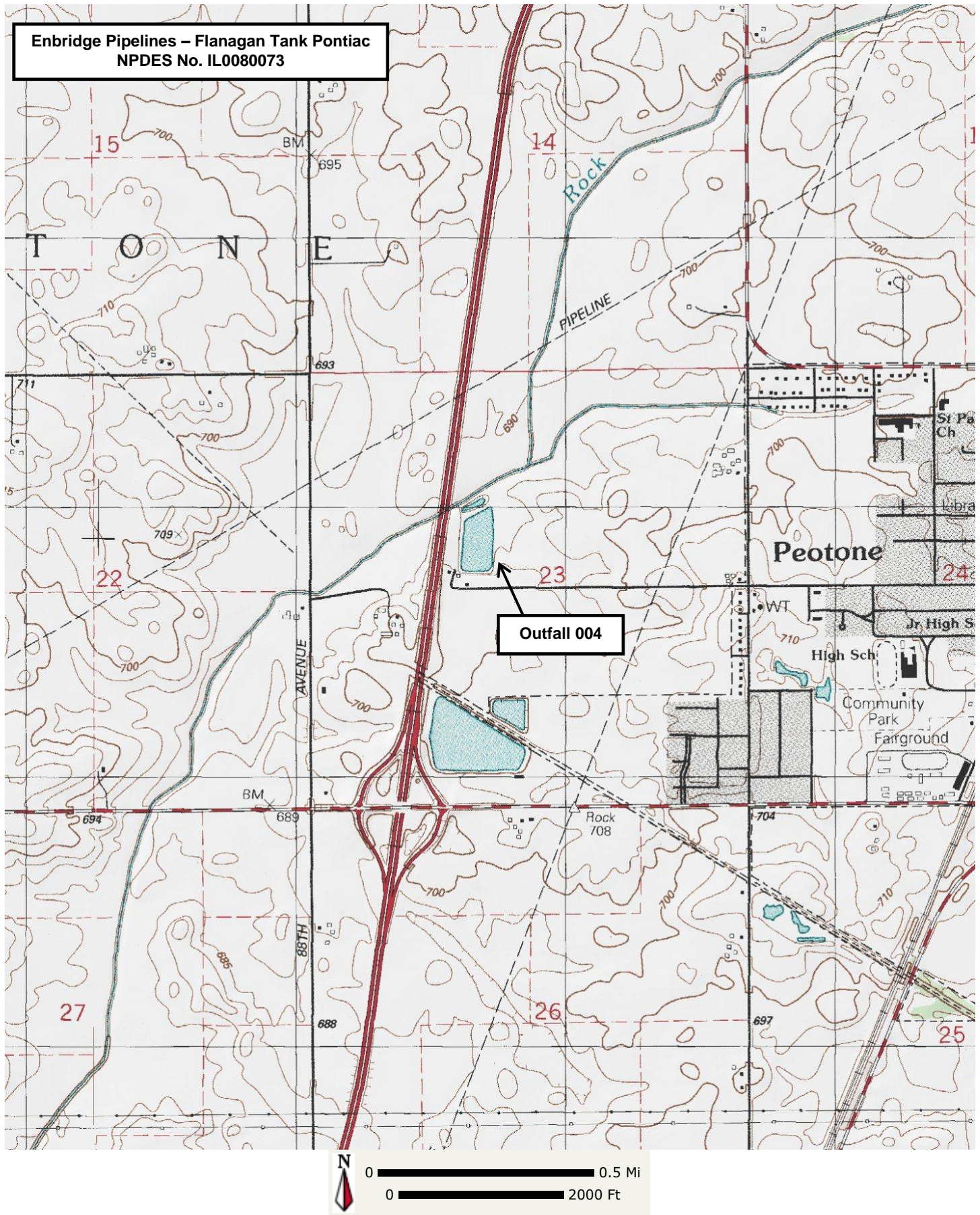
Agency Conclusion.

This preliminary antidegradation assessment was conducted pursuant to the Illinois Pollution Control Board regulation found at 35 Ill. Adm. Code 302.105 (Antidegradation standard). We tentatively find that the proposed activity would result in the attainment of water quality standards and that all existing uses of the receiving waters would be maintained. The proposed activities are not expected to contribute increased pollutant loadings to the receiving waters given that the pipeline is new and the hydrostatic test water would be withdrawn from and returned to the same bodies of water. In a worst-case scenario the proposed activity would only result in short-term, temporary increases in pollutant loading and would not result in long term or permanent impacts to existing uses including aquatic life habitat; therefore, it is subject to Subsection (d) of 35 Ill. Adm. Code 302.105. Comments received during the NPDES permit public notice period would be evaluated before a final decision is made by the Agency.

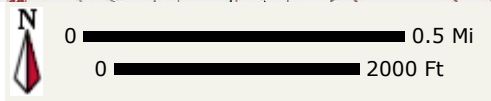
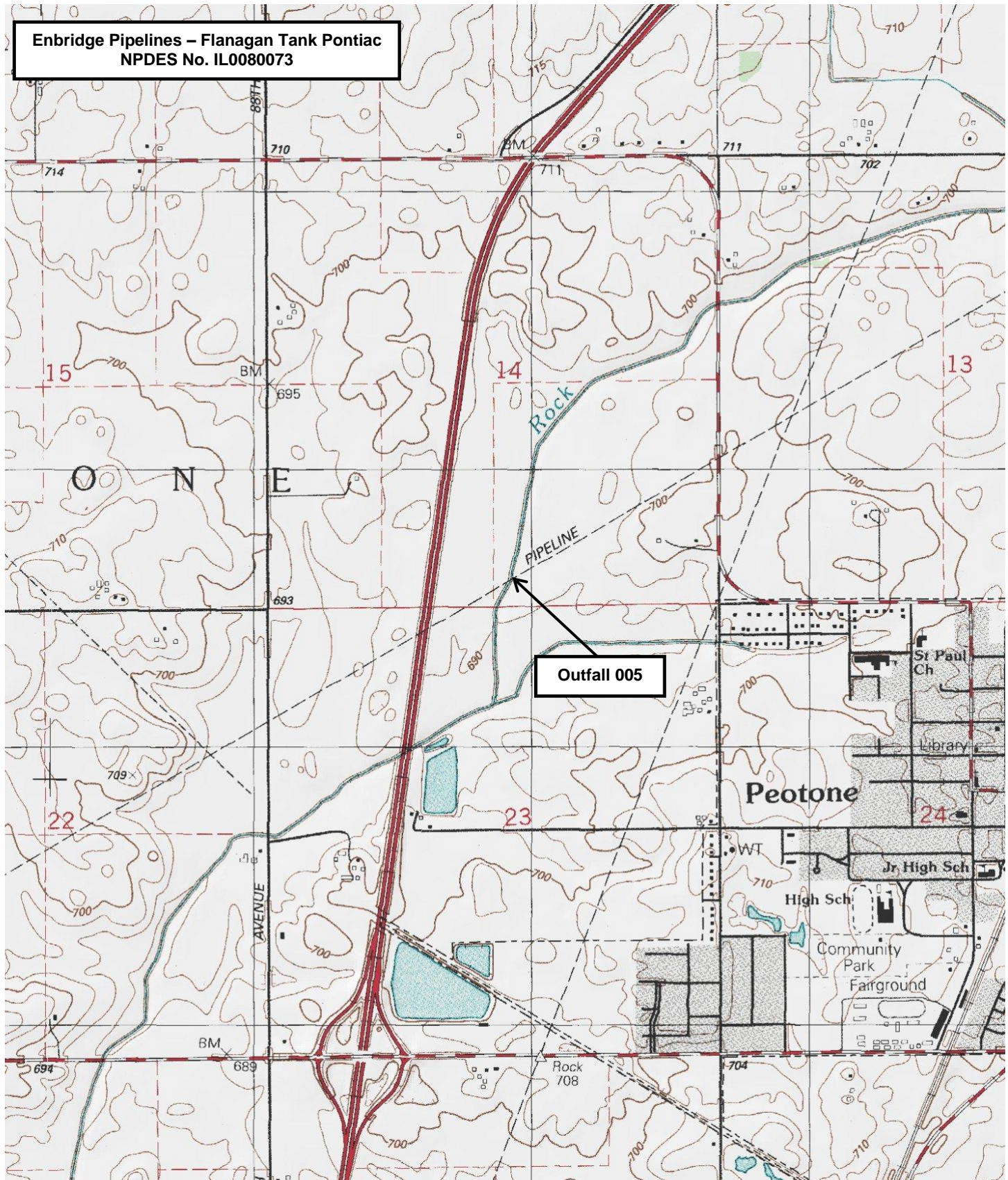


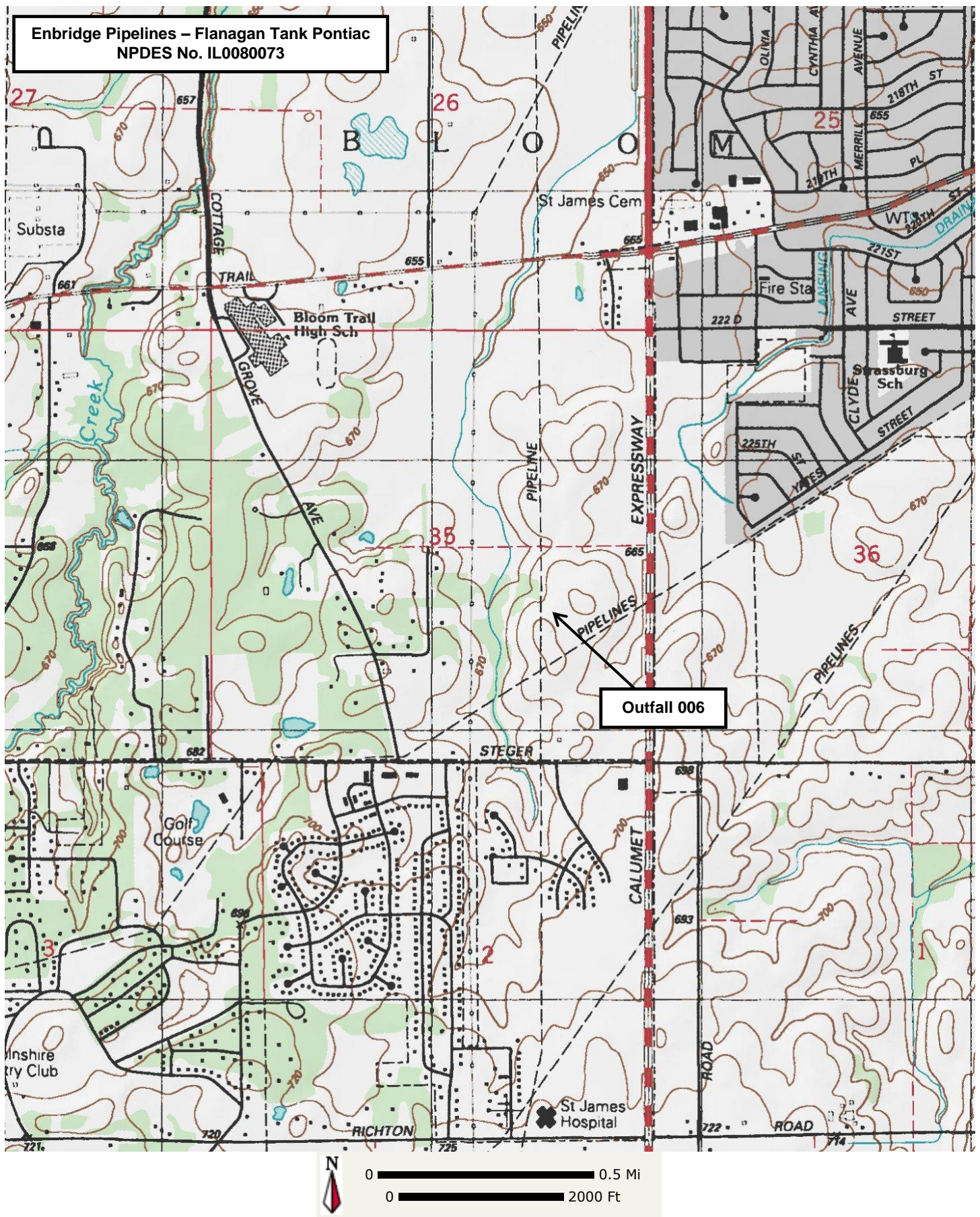


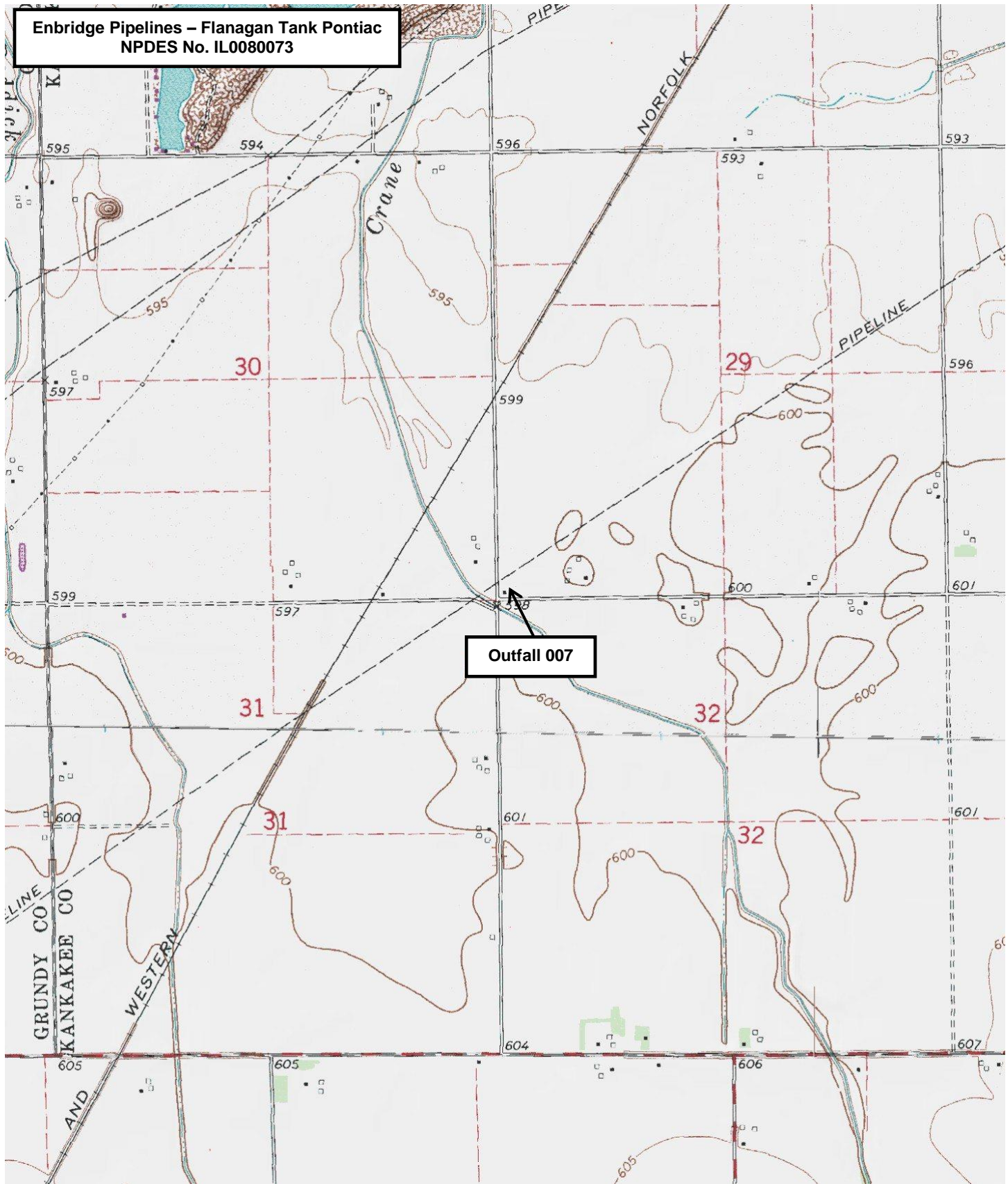




**Enbridge Pipelines – Flanagan Tank Pontiac
NPDES No. IL0080073**







NPDES Permit No. IL0080073

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 Energy Limited Partnership
1409 Hammond Avenue
Superior, Wisconsin 54880

Enbridge Energy Limited Partnership
(Livingston, Kankakee, Will, and Cook Counties)

Discharge Number and Name:	Facility Name and Address:	Receiving Waters:
001 Hydrostatic Test Water	N 41° 13' 24.66", W 88° 02' 24.93" Will County, Illinois	Kankakee River
002 Hydrostatic Test Water	N 40° 59' 26.89", W 88° 32' 19.52" Livingston County, Illinois	Muir Pond
003 Hydrostatic Test Water	N 40° 59' 3.9", W 88° 32' 18.27" Livingston County, Illinois	An unnamed tributary of West Fork Mazon
004 Hydrostatic Test Water	N 41° 19' 56.05", W 87° 48' 57.83" Will County, Illinois	Alreja Pond
005 Hydrostatic Test Water	N 41° 20' 22.07", W 87° 48' 50.13" Will County, Illinois	Rock Creek
006 Hydrostatic Test Water	N 41° 28' 34.15", W 87° 35' 3.66" Cook County, Illinois	Pacoria Pond
007 Hydrostatic Test Water	N 41° 07' 46.14", W 88° 13' 19.06" Kankakee County, Illinois	Crane Creek

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

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NPDES Permit No. IL0080073

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 = 2.88 MGD)
- 002 Hydrostatic Test Water (DAF = 2.88 MGD)
- 003 Hydrostatic Test Water (DAF = 2.88 MGD)
- 004 Hydrostatic Test Water (DAF = 2.88 MGD)
- 005 Hydrostatic Test Water (DAF = 2.88 MGD)
- 006 Hydrostatic Test Water (DAF = 2.88 MGD)
- 007 Hydrostatic Test Water (DAF = 2.88 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 1				Daily When Discharging	
pH	See Special Condition 2				Daily When Discharging	Grab
Total Suspended Solids			15	30	Daily When Discharging	Grab
Oil and Grease			15	30	Daily When Discharging	Grab
Iron			2	4	Daily When Discharging	Grab

Special Conditions

SPECIAL CONDITION 1. Flow shall be measured in units of Million Gallons per Day (MGD) and reported as a monthly average and a daily maximum value on the monthly Discharge Monitoring Report.

SPECIAL CONDITION 2. The pH shall be in the range 6.0 to 9.0. The monthly minimum and monthly maximum values shall be reported on the DMR form.

SPECIAL CONDITION 3. 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 4. The Permittee shall record monitoring results on Discharge Monitoring Report (DMR) Forms using one such form for each outfall each month.

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 (NetDMR) instead of mailing paper DMRs to the IEPA. More information, including registration information for the NetDMR program, can be obtained on the IEPA website, <http://www.epa.state.il.us/water/net-dmr/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 NetDMR 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 5. 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.

SPECIAL CONDITION 6. 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 must be reduced to below obvious levels.

SPECIAL CONDITION 7. The permittee shall provide telephone notification to the IEPA Des Plaines Regional Office, (847) 294-4000, at least 24 hours prior to any hydrostatic pipeline testing which may result in a discharge.

SPECIAL CONDITION 8. 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 9. Solid wastes such as straw used for filtering or erosion control shall be disposed of in accordance with state and federal law.

SPECIAL CONDITION 10. The permittee shall only discharge hydrostatic test water to the watersheds from which it was withdrawn.

SPECIAL CONDITION 11. In the event that the permittee shall require the use of water treatment additives, the permittee must request a change in this permit in accordance with the Standard Conditions - Attachment H.

SPECIAL CONDITION 12. In the event the permittee requires a new discharge location, the permittee must complete and submit application forms 1 and 2D for each new location.

SPECIAL CONDITION 13. 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.