



Illinois Environmental Protection Agency

2520 West Iles Avenue • P.O. Box 19276 • Springfield, Illinois • 62794-9276 • 217-782-3397

JB Pritzker, Governor

James Jennings, Acting Director

Municipal Clerk
Barrington Township
602 S. Hough Street
Barrington, Illinois 60010

217/782-0610

March 18, 2026

Re: Port Barrington Shores
Port Barrington Shores-STP
NPDES Permit No. IL0070874
Bureau ID: W0978030003
Public Notice of Modified Permit

Municipal Clerk:

In accordance with the requirements of the Illinois Pollution Control Board regulations of 35 Ill. Adm. Code 309.109(a)(2)(A), the attached National Pollutant Discharge Elimination System Public Notice is sent to a municipality in the vicinity of the applicant. The Agency understands that the applicant may not be associated with the municipality to which it is sent.

Please post the attached National Pollutant Discharge Elimination System Public Notice for a period of 30 days. In addition, please complete and return the enclosed postcard indicating the date of posting. Should you choose not to post the attached notice, please indicate so on the postcard and return.

Thank you for your cooperation.

Sincerely,

A handwritten signature in black ink, appearing to read "Brant D. Fleming".

Brant D. Fleming, P.E.
Manager, Municipal Unit, Permit Section
Division of Water Pollution Control

BDF: RJY: IL0070874-26.rjy

Attachments: Public Notice/Fact Sheet, Post Card

cc: Records Unit

NPDES Permit No. IL0070874

Notice No. IL0070874-26.rjy

Public Notice Beginning Date: March 18, 2026

Public Notice Ending Date: April 17, 2026

National Pollutant Discharge Elimination System (NPDES)
Permit Program

PUBLIC NOTICE/FACT SHEET
of
Draft Modified NPDES Permit to Discharge into Waters of the State

Public Notice/Fact Sheet Issued By:

Illinois EPA
Division of Water Pollution Control
Permit Section
2520 West Iles Avenue
Post Office Box 19276
Springfield, Illinois 62794-9276
217/782-0610

Name and Address of Permittee:

Prairie Path Water Company
Prairie Path Water Port Barrington Shores
P.O. Box 10
McHenry, Illinois 60050

Name and Address of Facility:

Port Barrington Shores-STP
99 West Kazimour Road
Barrington, Illinois 60010
(Lake County)

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 Permittee. The Public Notice period will begin and end on the dates indicated in the heading of this Public Notice/Fact Sheet. All comments on the draft Permit and requests for hearing must be received by the IEPA by U.S. Mail, carrier mail or hand delivered by the Public Notice Ending Date. 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 numbers 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 Rongjuan Yang at 217/782-0610.

The following water quality and effluent standards and limitations were applied to the discharge:

Title 35: Environmental Protection, Subtitle C: Water Pollution, Chapter I: Pollution Control Board and the Clean Water Act were applied in determining the applicable standards, limitations and conditions contained in the draft Permit.

The applicant is engaged in treating domestic wastewater for Port Barrington Shores.

The length of the Permit is approximately 5 years.

The main discharge number is 001. The seven day once in ten year low flow (7Q10) of the receiving stream, Fox River is 104 cfs.

The design average flow (DAF) for the facility is 0.012 million gallons per day (MGD) and the design maximum flow (DMF) for the facility is 0.0504 MGD. Treatment consists of septic tanks, recirculating sand filter, disinfection (chlorine), dechlorination, and discharge to surface water. Sludge treatment consists of and land application.

This Modified Permit does not increase the facility's DAF, DMF, concentration limits, and/or load limits.

The IEPA will accept comments on the following draft modifications to the Permit:

1. The facility owner's name and billing name have been changed to Prairie Path Water Company and Prairie Path Water Port Barrington Shores, respectively.
2. Special Condition 12 has been added to include an ammonia compliance schedule.

Pursuant to the waiver provisions authorized by 40 CFR Section 123.24, this draft modified permit is within the class, type, and size for which the Regional Administrator, Region V, has waived his right to review, object, or comment on this draft modification permit action.

Application is made for the existing discharge which is located in Lake County, Illinois. The following information identifies the discharge point, receiving stream and stream classifications:

Discharge Number	Receiving Stream	Latitude	Longitude	Stream Classification	Integrity Rating
001	Fox River	42° 13' 50" North	88° 10' 42" West	General Use	B

*The Saline Branch Drainage Ditch is not given an integrity rating at the point of discharge, however, 2 miles downstream an integrity rating of "C" is given.

To assist you further in identifying the location of the discharge(s) please see the attached map.

The stream segment, DT-22, receiving the discharge from outfall 001 is on the 2020/2022 303(d) list of impaired waters.

Uses Impaired

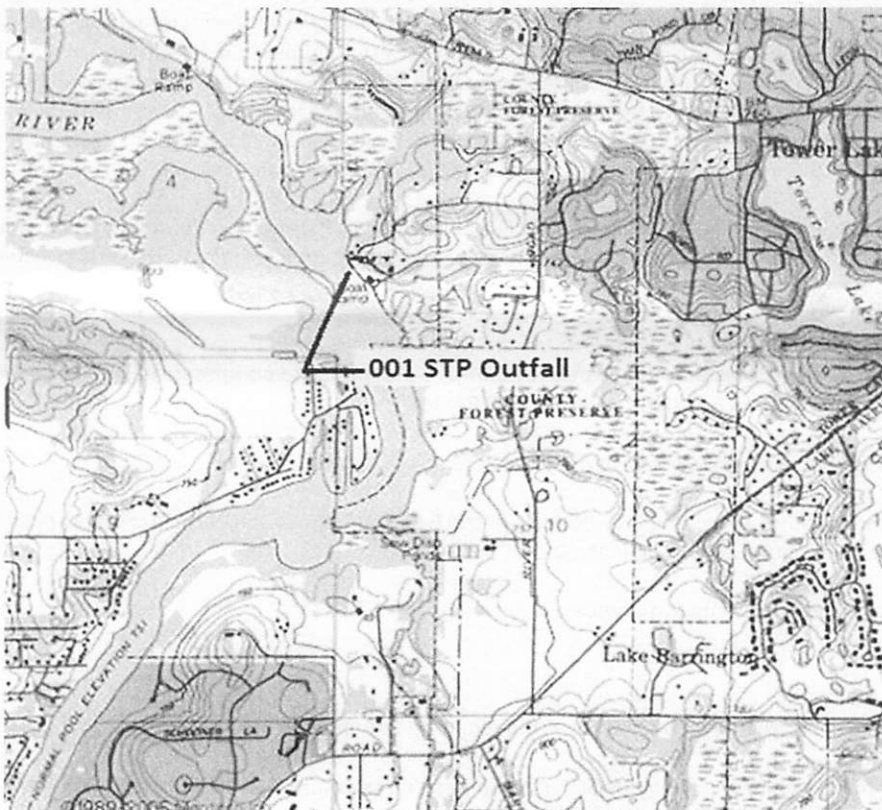
algae, alteration in stream-side or littoral vegetative covers, cause unknown, flow regime modification, and sedimentation/siltation, fish consumption

primary contact

Potential Causes

aldrin, dieldrin, endrin, heptachlor, mercury, mirex, polychlorinated biphenyls, and toxaphene

fecal coliform



**Port Barrington Shores STP
NPDES No. IL0070874
Lake County**

The discharge(s) from the facility is (are) proposed to be monitored and limited at all times as follows:

Discharge Number(s) and Name(s): STP Outfall 001

Load limits computed based on a design average flow (DAF) of 0.012 MGD (design maximum flow (DMF) of 0.0504 MGD).

The effluent of the above discharge(s) shall be monitored and limited at all times as follows:

Parameter	LOAD LIMITS lbs/day			CONCENTRATION LIMITS mg/L			Regulation
	Monthly Average	Weekly Average	Daily Maximum	Monthly Average	Weekly Average	Daily Maximum	
CBOD ₅ **	2.5 (11)	4.0 (17)		25	40		35 IAC 304.120 40 CFR 133.102
Suspended Solids**	3.0 (13)	4.5 (19)		30	45		35 IAC 304.120 40 CFR 133.102
pH	Shall be in the range of 6 to 9 Standard Units						35 IAC 304.125
Fecal Coliform	Daily Maximum shall not exceed 400 per 100 mL						35 IAC 304.146
Chlorine Residual							0.05 35 IAC 302.208
Ammonia Nitrogen (as N)							35 IAC 355 and 35 IAC 302
Mar-May, Sep, Oct	0.12 (0.50)	0.30 (1.3)	0.44 (1.8)	1.2	3.0	4.4	
June-August	0.12 (0.50)	0.30 (1.3)	0.51 (2.1)	1.2	3.0	5.1	
November-February	0.32 (1.3)		0.52 (2.2)	3.2	NA	5.2	
Total Phosphorus (as P)	Monitor Only			Monitor Only			35 IAC 309.146
				Monthly Avg. not less than	Weekly Avg. not less than	Daily Minimum	35 IAC 302.206
Dissolved Oxygen							
March-July							NA 6.0 5.0
August-February							5.5 4.0 3.5

*Load Limits are calculated by using the formula: $8.34 \times (\text{Design Average and/or Maximum Flow in MGD}) \times (\text{Applicable Concentration in mg/L})$.

**BOD₅ and Suspended Solids (85% removal required): In accordance with 40 CFR 133, the 30-day average percent removal shall not be less than 85 percent.

This draft Permit also contains the following requirements as special conditions:

1. Reopening of this Permit to include different final effluent limitations.
2. Operation of the facility by or under the supervision of a certified operator.
3. Submission of the operational data in a specified form and at a required frequency at any time during the effective term of this Permit.
4. More frequent monitoring requirement without Public Notice in the event of operational, maintenance or other problems resulting in possible effluent deterioration.
5. Prohibition against causing or contributing to violations of water quality standards.
6. Recording the monitoring results on Discharge Monitoring Report Forms using one such form for each outfall each month and submitting the forms to IEPA each month.
7. Provisions of 40 CFR Section 122.41 (m) & (n).
8. Reopening of this Permit to include revised effluent limitations based on a Total Maximum Daily Load (TMDL) or other water quality study.
9. Effluent sampling point location.
10. Submission of semi annual reports indicating the quantities of sludge generated and disposed.
11. Allowance for Mixing Zone determination.
12. Ammonia Compliance Schedule.