

NPDES Permit No. IL0080284
Notice No. YA:25081301.docx

Public Notice Beginning Date: January 07, 2026

Public Notice Ending Date: February 06, 2026

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
2520 West Iles Avenue
Post Office Box 19276
Springfield, Illinois 62794-9276
217/782-0610

Name and Address of Discharger:

CyrusOne, LLC
2905 Diehl Road
Aurora IL 60504

Name and Address of Facility:

CyrusOne, LLC
2905 Diehl Road
Aurora IL 60504
(DuPage 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 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 Yousif Alkola at 217/558-8143.

The applicant is engaged in the operation of a computer processing and data preparation and processing services (SIC Code 7374). Facility operations result in a discharge of non-contact cooling water from Outfall 001.

Application is made for the new discharge(s) which are located in DuPage County, 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	Fox River	41° 47' 49.77" North	88° 14' 27.37" West	General Use	C

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

The subject facility discharges to a storm water tributary to the Fox River at a point where 0 cfs of flow exists upstream of the outfall during critical 7Q IO low-flow conditions. The discharge is intermittent, with ~15,000 GPD in the summer with lower flows (~4,700 GPD) in the winter. The Fox River is classified as a General Use Water. The Fox River 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, however, it is given an integrity rating of "C" in that document at this location. The Fox River, Waterbody Segment IL_DT-38, is listed on the 2024 Illinois Integrated Water Quality Report and Section 303(d) List as impaired for aquatic life use with potential causes given as algae, alteration in stream-side or littoral vegetative covers, cause unknown, flow regime modification, total phosphorus, and total suspended solids, impaired for fish consumption use with potential causes given as aldrin, dieldrin, endrin, heptachlor, mercury, mirex, polychlorinated biphenyls, and toxaphene, impaired for primary contact use with a potential cause given as fecal coliform, and impaired for public and food processing water supply use with a potential cause given as iron. Aesthetic quality use is fully supported. The Fox River is not subject to enhanced dissolved oxygen standards at this location.

Ten cooling towers are located at the facility. The City of Aurora municipal water supply is used as the source of water for the cooling towers. The source water is used as supplied; CyrusOne does not add any chemicals or treat the water before use. All the cooling towers are operated using a "Pulse Pure" system that employs pulsed electric field to control microbiological growth, scale, and corrosion. The cooling towers are estimated to run at approximately 4 to 4.5 cycles of concentration and blowdown is triggered based on conductivity.

<u>Designated Use</u>	<u>Potential Cause</u>
Fish Consumption	aldrin, dieldrin, endrin, heptachlor, mercury, mirex, polychlorinated biphenyls, and toxaphene
Aquatic Life	algae, alteration in stream-side or littoral vegetative covers, cause unknown, flow regime modification, total phosphorus, and total suspended solids
Primary Contact	fecal coliform
Public and Food Processing Water Supply	iron

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

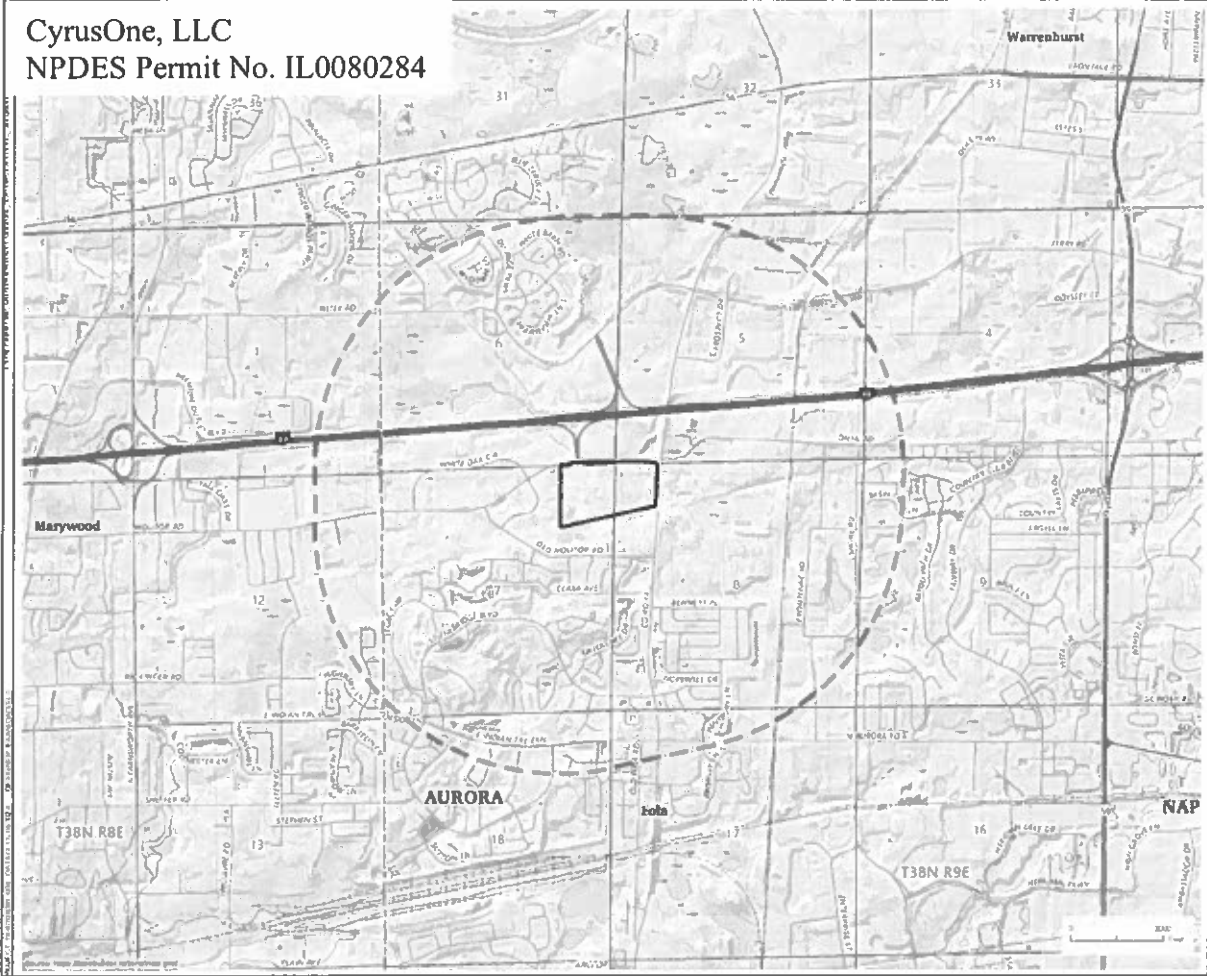
PARAMETER	LOAD LIMITS lbs/day DAF (DMF)		REGULATION	CONCENTRATION LIMITS mg/L		REGULATION
	30 DAY AVERAGE	DAILY MAXIMUM		30 DAY AVERAGE	DAILY MAXIMUM	
Outfall: 001						
Flow						35 IAC 309.146
pH				6-9 s.u.		35 IAC 304.125
Temperature						35 IAC 302.211
Total Residual Chlorine					monitor only	35 IAC 302.208 & 40 CFR 125.3

The following explain the conditions of the proposed permit:

Special Conditions will require flow monitoring and reporting, pH limits and reporting, monitoring location, monthly DMR submission, and re-opener.

All operation activities take place indoors at the facility, so there is no potential for stormwater to come into contact with industrial materials or activities.

CyrusOne, LLC
NPDES Permit No. IL0080284



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Illinois Environmental Protection Agency

Division of Water Pollution Control

2520 West Iles Avenue

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 Discharger:

CyrusOne, LLC
2905 Diehl Road
Aurora IL 60504

Name and Address of Facility:

CyrusOne, LLC
2905 Diehl Road
Aurora IL 60504
(DuPage County)

Discharge Number and Name:

001 – cooling tower blowdown

Receiving Waters:

Onsite Stormwater Pond to the City of Aurora MS4 to the Fox 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.

Stephen F. Nightingale, P.E.
Manager, Industrial Unit, Permit Section
Division of Water Pollution Control

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:

PARAMETER	LOAD LIMITS lbs/day DAE (DMF)		CONCENTRATION LIMITS mg/L		SAMPLE FREQUENCY	SAMPLE TYPE
	30 DAY AVERAGE	DAILY MAXIMUM	30 DAY AVERAGE	DAILY MAXIMUM		
<u>Outfall 001</u> – cooling tower blowdown (Maximum Flow = 0.015 MGD)						
Flow (MGD)	See Special Condition 1.				Daily When Discharging	Measurement or Calculated
pH	See Special Condition 2.				1/Month	Single Reading
Temperature				monitor only	2/Month	Single-Reading
Total Residual Chlorine	See Special Condition 6.			monitor only	1/Month	Grab

Special Conditions

SPECIAL CONDITION 1. Flow shall be measured or calculated in units of Million Gallons per Day (MGD) and reported as a monthly average (Calculated by dividing the summation of units of Million Gallons divided by the amount of days when discharging occurs) and a daily maximum 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 after treatment, but prior to entry into the receiving stream.

SPECIAL CONDITION 4. The Permittee shall record monitoring results on Discharge Monitoring Report (DMR) electronic 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 is required to submit electronic DMRs (NetDMRs) instead of mailing paper DMRs to the IEPA unless a waiver has been granted by the Agency. More information, including registration information for the NetDMR program, can be obtained on the IEPA website, <https://www2.illinois.gov/epa/topics/water-quality/surface-water/netdmr/Pages/quick-answer-guide.aspx>.

The completed Discharge Monitoring Report forms shall be submitted to IEPA no later than the 25th day of the following month, unless otherwise specified by the permitting authority.

Permittees that have been granted a waiver 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
Attention: Compliance Assurance Section, Mail Code # 19
2520 West Iles Avenue
Post Office Box 19276
Springfield, Illinois 62794-9276

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. 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.

SPECIAL CONDITION 7. In the event that the permittee chooses to use water treatment additives, the permittee must request a change in this permit in accordance with Standard Conditions - - Attachment H.