

NPDES Permit No. IL0002054
Notice No. KPM:24050301.docx

Public Notice Beginning Date: June 28, 2024

Public Notice Ending Date: July 30, 2024

National Pollutant Discharge Elimination System (NPDES)
Permit Program

Draft Reissued 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:
LaSalle Wacker Owners Association Inc.
221 North LaSalle Street, Suite 1220
Chicago, IL 60601

Name and Address of Facility:
LaSalle Wacker Building
221 North LaSalle Street
Chicago, IL 60601
(Cook 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 Keegan MacDonna at 217/782-0610.

The applicant is engaged in the operation of a commercial office building (SIC 6531). Wastewater is generated as non-contact cooling water associated with the facility's air chiller units, resulting in an average discharge of 1.22 MGD of non-contact cooling water from Outfall 001. The facility currently contracts with a third party supplier which provides cooling water through a district chilled water loop. Due to the use of the district chilled water loop, the facility has not had a discharge in the last 24 years, nor have they withdrawn water from the Chicago River through their cooling water intake structure. However, the facility maintains their river water chiller plant at the building as a back-up redundant system.

Application is made for the existing discharge which is located in Cook 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	Chicago River	41° 53' 11"	North	87° 37' 53"	West	General Use	E

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

The stream segment HCB-01 receiving the discharge from Outfall 001 is on the 2020/2022 303 (d) list of impaired waters and was not considered a biologically significant stream in the 2008 Illinois Department of Natural Resources Publication *Integrating Multiple Taxa in a Biological Stream Rating System*.

The impaired designated uses and pollutants causing impairment are as follows:

<u>Designated Uses</u>	<u>Pollutants Causing Impairment</u>
Aquatic Life	Flow Alteration (changes in depth and flow velocity), Flow Regime Modification, Loss of Instream Cover, Total Phosphorus, and Cause Unknown
Fish Consumption	Mercury and Polychlorinated Biphenyls (PCB's)
Primary Contact Use	Fecal Coliform

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

PARAMETER	LOAD LIMITS lbs/day		REGULATION	CONCENTRATION LIMITS mg/L		REGULATION
	DAF (DMF)					
	30 DAY AVERAGE	DAILY MAXIMUM		30 DAY AVERAGE	DAILY MAXIMUM	
<u>Outfall 001:</u>						
Flow (MGD)						
pH				6.5 – 9		35 IAC 302.204
Temperature						35 IAC 302.211

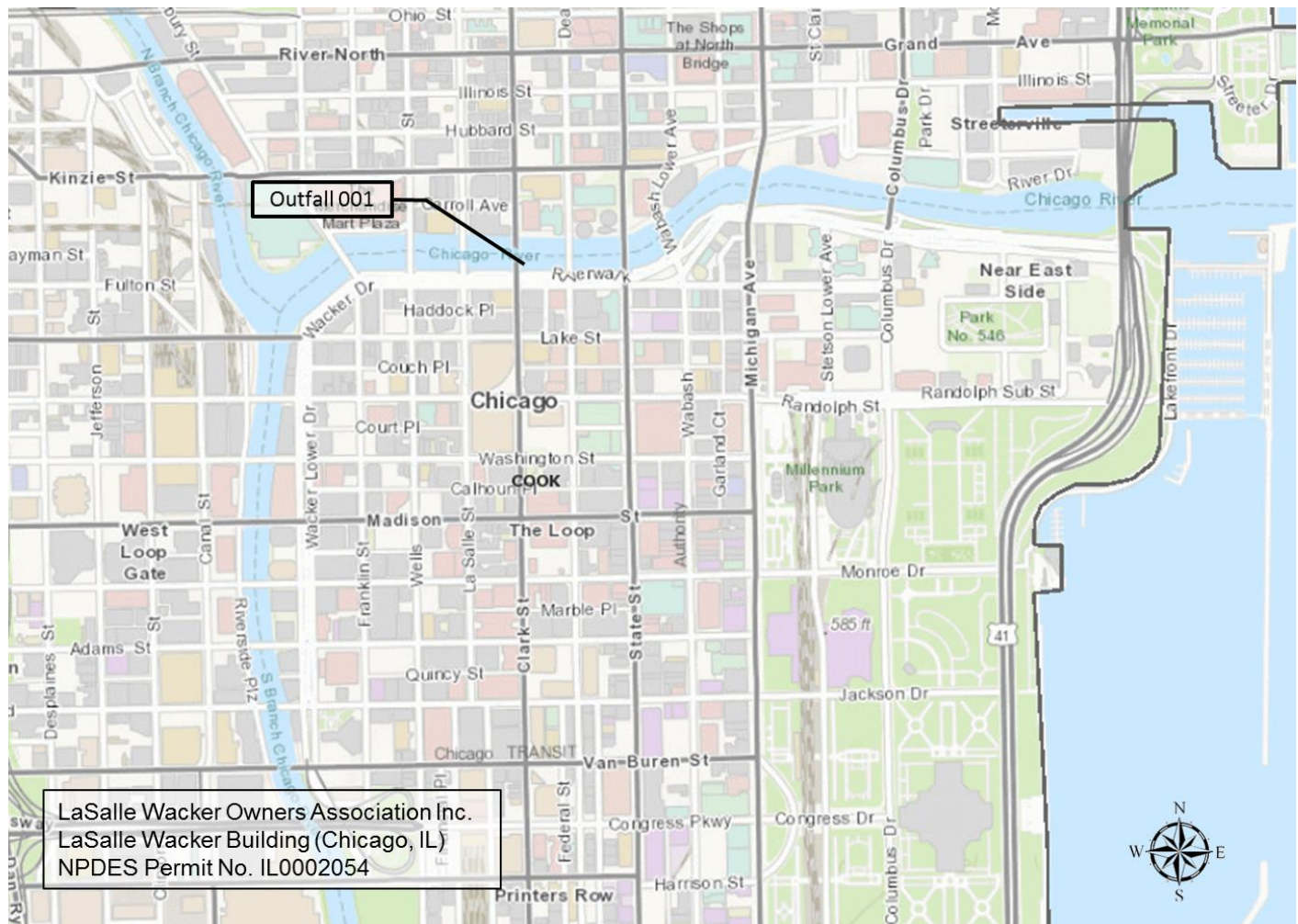
The following explain the conditions of the proposed permit:

The special conditions clarify flow reporting, pH limits, monitoring location, discharge monitoring reports, re-opening of the permit, temperature limits, discharge limited to non-contact cooling water only, narrative water quality standard, water quality standards, and commencement requirements for the inactive cooling water intake structure.

Cooling Water Intake Structure (CWIS) Description

The cooling water intake system at this facility is currently inactive, and operation of the system is prohibited by Special Condition 10 of this Draft Permit. Documentation as required by 40 CFR 122.21(r)(2-8) has not been submitted to the Agency, therefore the Agency cannot make a determination of the system's compliance with BTA standards for impingement mortality and entrainment in accordance with 40 CFR 125.94(c) and (d). The use of the cooling water intake system is prohibited until the NPDES Permit is modified to include it, upon submission and review of the applicable 40 CFR 122.21(r)(2-8) information. The information below detailing the design of the cooling water intake system is for reference only, and does not constitute approval from the Agency to operate the system:

The facility's cooling water intake structure has been in place since 1969, therefore pursuant to 40 CFR 125.92(k) it is an existing facility. The intake pipe is a 14" diameter pipe. Water is pumped using one of three pumps which are each rated at 1,700 gpm. The system is designed to run 1 pump at a time for a design intake flow (DIF) = 2.448 MGD although based on the actual hours the cooling water system would operate each day, (if this system were being utilized), the actual average flow would approximate 1.22 MGD. The water passes through a strainer and then through one of 2 Carrier chiller units (600 ton, 19EA-7747 DH and 638 ton 19c-640) and is returned to river via the 12" diameter discharge pipe. This river water intake structure is only retained as a backup system and has not been used in 24 years. The facility currently obtains their cooling water through a contracted district chilled water loop, so the actual volume pumped from the river has been zero for the last 24 years.



NPDES Permit No. IL0002054

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

Reissued (NPDES) Permit

Expiration Date:

Issue Date:

Effective Date:

Name and Address of Permittee:

LaSalle Wacker Owners Association Inc.
221 North LaSalle Street, Suite 1220
Chicago, IL 60601

Facility Name and Address:

LaSalle Wacker Building
221 North LaSalle Street
Chicago, IL 60601
(Cook County)

Discharge Number and Name:

001 Non-Contact Cooling Water

Receiving Waters:

Chicago 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.

Darin E. LeCrone, P.E.
Manager, Permit Section
Division of Water Pollution Control

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Effluent Limitations and Monitoring

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

PARAMETER	LOAD LIMITS lbs/day		CONCENTRATION		SAMPLE FREQUENCY	SAMPLE TYPE
	DAF (DMF)		LIMITS mg/L			
	30 DAY AVERAGE	DAILY MAXIMUM	30 DAY AVERAGE	DAILY MAXIMUM		
<u>Outfall 001</u> – Non-Contact Cooling Water (DAF = 1.22 MGD)						
Flow (MGD)	See Special Condition 1.				*	
pH	See Special Condition 2.				1/Month	Grab
Temperature	See Special Condition 6.				1/Month	Single Reading

* - Effluent sampling for flow shall be continuous if hardware allows otherwise it shall be a single reading when monitoring each parameter.

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 Discharge Monitoring Report.

SPECIAL CONDITION 2. The pH shall be in the range 6.5 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) 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://epa.illinois.gov/topics/water-quality/surface-water/netdmr.html>.

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
1021 North Grand Avenue East
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. This facility is not allowed any mixing with the receiving stream in order to meet applicable water quality thermal limitations. Therefore, discharge of wastewater from this facility must meet the following thermal limitations prior to discharge into the receiving stream.

- A. The discharge must not exceed the maximum limits in the following table during more than one percent of the hours in the 12 month period ending with any month. Moreover, at no time shall the water temperature of the discharge exceed the maximum limits in the following table by more than 1.7° C (3° F).

	<u>Jan.</u>	<u>Feb.</u>	<u>Mar.</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Oct.</u>	<u>Nov.</u>	<u>Dec.</u>
°F	60	60	60	90	90	90	90	90	90	90	90	60
°C	16	16	16	32	32	32	32	32	32	32	32	16

- B. In addition, the discharge shall not cause abnormal temperature changes that may adversely affect aquatic life unless caused by natural conditions.

- C. The discharge shall not cause the maximum temperature rise above natural temperatures to exceed 2.8° C (5° F).

- D. The monthly maximum value shall be reported on the DMR form.

SPECIAL CONDITION 7. For the purpose of this permit, this discharge is limited to non-contact cooling water, free from process and other wastewater discharges. 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 8. The effluent, alone or in combination with other sources, shall not cause a violation of any applicable water

Special Conditions

quality standard outlined in 35 Ill. Adm. Code 302.

SPECIAL CONDITION 9. No effluent shall contain settleable solids, floating debris, visible oil, grease, scum or sludge solids. Color, odor and turbidity must be reduced to below obvious levels.

SPECIAL CONDITION 10. Operation of the facility's cooling water intake structure is prohibited, as the required information under 40 CFR 122.21(r)(2) and (3) and the applicable provisions of paragraphs (r)(4),(5),(6),(7), and (8) has not been submitted to the Agency. Operation of the cooling water intake structure may recommence only after an adequate demonstration of the operation of the cooling water intake structure has been conducted and submitted to the Agency pursuant to Section 316(b) of the Clean Water Act. Adequate demonstration may be made by submitting documentation satisfying the requirements of 40 CFR 122.21(r)(2-8). Prior to recommencing operation of the cooling water intake structure, the Permittee shall request and receive modification of this Permit, subject to a 30-day public notice period in accordance with 35 Ill. Adm. Code 309.109.

