

NPDES Permit No. IL0079316
Notice No. SMT:12012401.bah

Public Notice Beginning Date: **December 10, 2012**

Public Notice Ending Date: **January 9, 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:

General Growth Properties
110 North Wacker Drive
Chicago, Illinois 60606

Name and Address of Facility:

General Growth Properties
110 North Wacker Drive
Chicago, Illinois 60606
(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 Shu-Mei Tsai at 217/782-0610.

The applicant is engaged in the operation of a commercial office building (SIC 6519). Waste water is generated by the building cooling system. Plant operation results in an average discharge of 7,828 GPD of non-contact cooling water from outfall 001.

Application is made for the new discharge(s) 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	The South Branch Chicago River	41° 53' 1.0" North	87° 38' 15" West	The Secondary Contact Use General Use	D

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

The stream segment receiving the discharge from outfall(s) 001 is on the 2010 303(d) list of impaired waters and is not a biologically significant stream on the 2008 Illinois Department of Natural Resources Publication – *Integrating Multiple Taxa in a Biological Stream Rating System*.

The following parameters have been identified as the pollutants causing impairment:

<u>Pollutants</u>	<u>Potential Contributors</u>
PCBs, and Dissolved Oxygen	Fish Consumption, and Indigenous Aquatic Life Uses

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

Outfall: 001 Non-Contact Cooling Water (DAF = 7,828 GPD)

PARAMETER	LOAD LIMITS lbs/day DAF (DMF)		REGULATION	CONCENTRATION LIMITS mg/L		REGULATION
	30 DAY AVERAGE	DAILY MAXIMUM		30 DAY AVERAGE	DAILY MAXIMUM	
Flow				Measure		
pH	Shall be in the range of 6.0-9.0 standard units					35 IAC 304.125
Temperature				Monitoring Only		

The load limits appearing in the permit will be the more stringent of the State and Federal Guidelines.

The following explain the conditions of the proposed permit:

Special Conditions include the descriptions of flow reporting, pH limitation, monitoring location, DMR submission, re-opener, non-contact cooling water and no offensive condition.

Antidegradation Assessment for General Growth Properties
NPDES Permit No. IL0079316 Cook County

The subject facility currently discharges a non-contact cooling water effluent and has now applied for an NPDES permit. No additives are used. River water is drawn for use in the cooling system and then discharged close to the point of withdrawal. Maximum effluent water temperature is 98 degrees F according to the NPDES permit application. The discharge is rated at 7,828 gallons per day. The discharge is to the South Branch Chicago River.

Identification and Characterization of the Affected Water Body.

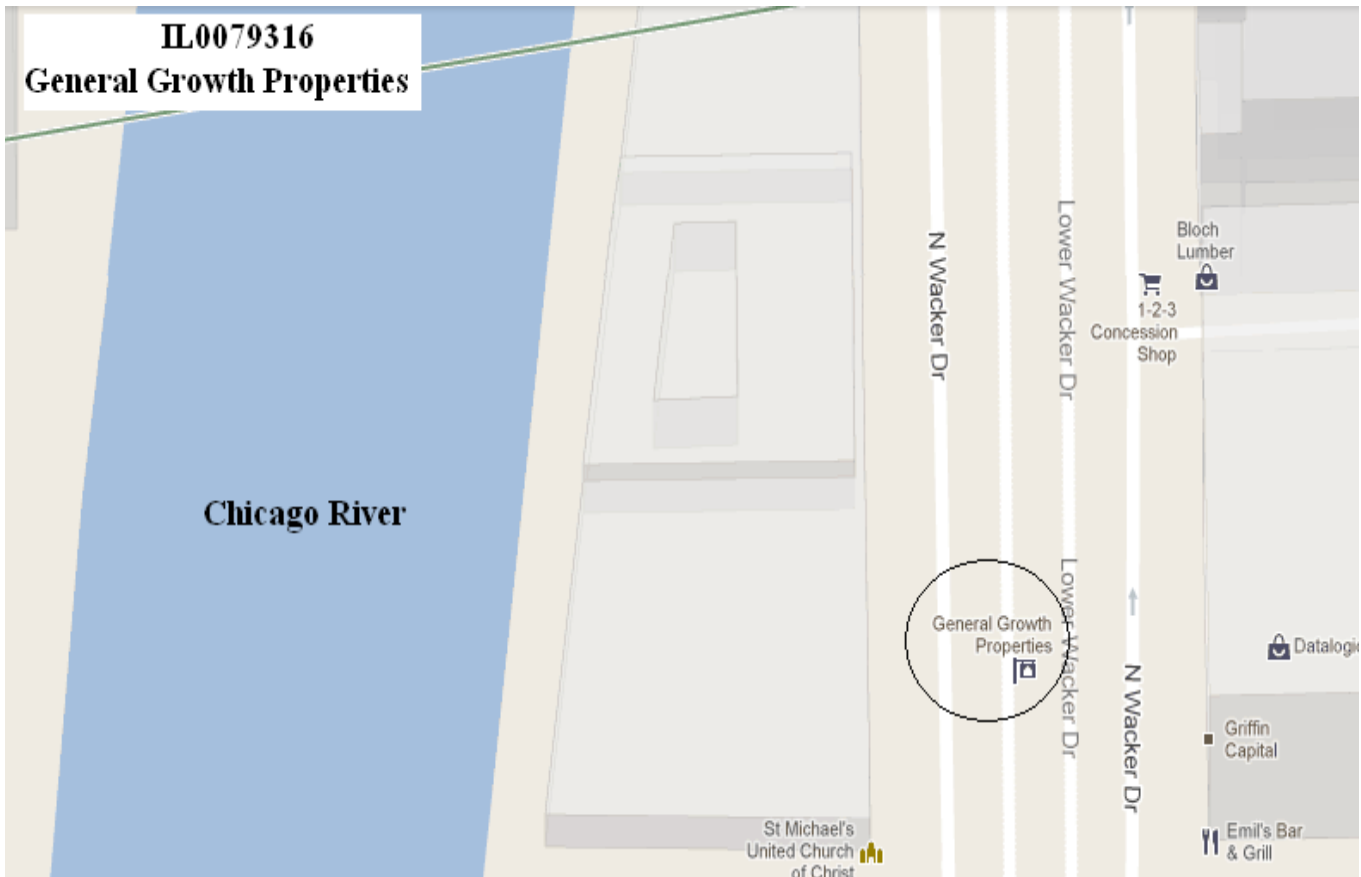
The South Branch Chicago River (segment HC-01) at this location has a 7Q10 flow of approximately 290 cfs and is a Secondary Contact and Indigenous Aquatic Life Use water. The stream is listed on the draft 2010 Illinois Integrated Water Quality Report and Section 303(d) List as impaired for fish consumption with cause given as PCBs. Indigenous aquatic life use is fully supported. The South Branch Chicago 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*, but is given an integrity rating of "D" in that publication. The South Branch Chicago River is not designated as an enhanced water pursuant to the dissolved oxygen water quality standard. The IDNR WIRT system does not list any state threatened or endangered aquatic species as residing in the receiving stream.

Further Antidegradation Assessment

According to 35 IAC 302.105(d)(5)(A) effluents composed of strictly noncontact cooling water are not required to undergo further antidegradation assessment. As this is the case for the General Growth Properties effluent, no further antidegradation review is necessary.

The reported highest effluent temperature is 98 and the highest monthly average is 94 degrees F. The Secondary Contact and Indigenous Aquatic Life use water quality standards for temperature are 93 degrees F to be exceeded no more than 5% of the time and 100 degrees never to be exceeded. Given the small volume of effluent, relatively low effluent temperature and the high dilution ratio in the river (24,000:1) allowed mixing to meet the temperature standard may be assumed. No permit limit for temperature is necessary.

These recommendations reflect a water quality standards perspective only and should not be construed as indicative of all factors that must be taken into consideration by the permit writer.



NPDES Permit No. IL0079316

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:

General Growth Properties
110 North Wacker Drive
Chicago, Illinois 60606

Facility Name and Address:

General Growth Properties
110 North Wacker Drive
Chicago, Illinois 60606
(Cook County)

Discharge Number and Name:

001 Non-Contact Cooling Water

Receiving Waters:

The South Branch 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.

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

SAK: SMT:12012401.bah

NPDES Permit No. IL0079316

Effluent Limitations and Monitoring

- 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: 001 Non-Contact Cooling Water (DAF = 7,828 GPD)

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	See Special Condition 1				Once per Month	
pH	See Special Condition 2				Once per Month	Grab
Temperature			Monitor Only		Once per Month	Single Reading

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

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 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. 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 4. 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 5. 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 (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: 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 7. This facility meets the allowed mixing criteria for thermal discharges pursuant to 35 IAC 302.102. No reasonable potential exists for the discharge to exceed thermal water quality standards. This determination is based a design average flow of 0.0078 MGD and a maximum effluent temperature of 98 °F. The permittee shall monitor the flow and temperature of the discharge prior to entry into the receiving water body. Monitoring results shall be reported on the monthly Discharge Monitoring Report. This permit may be modified to include formal temperature limitations should the results of the monitoring show that there is reasonable potential to exceed a thermal water quality standard. Modification of this permit shall follow public notice and opportunity for comment.

There shall be no abnormal temperature changes that may adversely affect aquatic life unless caused by natural conditions. The normal daily and seasonal temperature fluctuations which existed before the addition of heat due to other than natural cause shall be maintained.