

NPDES Permit No. IL0075311
Notice No. JAR:12120101.jar

Public Notice Beginning Date: **April 17, 2013**

Public Notice Ending Date: **May 17, 2013**

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:

Southern Illinois University Edwardsville
P.O. Box 1028
Edwardsville, IL 62026

Name and Address of Facility:

Southern Illinois University Edwardsville
Highway 157
Edwardsville, IL 62026
(Madison 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 Jaime Rabins at 217/782-0610.

The applicant is engaged in the operation of a heating and refrigeration plant at an institution of higher learning (SIC 8221). Wastewater is generated from circulating water from Tower Lake thru condensers. Plant operation results in an average discharge of 15 MGD of non-contact cooling water from outfalls 001 and 002. Wastewater is not treated prior to discharge.

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

| Outfall | Receiving Stream | Latitude | | Longitude | | Stream Classification | Biological Stream Characterization |
|---------|------------------|-------------|-------|-------------|------|-----------------------|------------------------------------|
| 001 | Tower Lake | 38E 48' 00" | North | 90E 00' 00" | West | General Use | Not Rated |
| 002 | Tower Lake | 38E 48' 00" | North | 90E 00' 00" | West | General Use | Not Rated |

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

The waterbody segment RTZF receiving the discharge from outfall(s) 001 and 002 is on the draft 2012 Illinois Integrated Water Quality Report and Section 303(d) List. The receiving water has not been given an integrity rating or been listed as biologically significant 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 tabulated below:

| <u>Designated Uses</u> | <u>Pollutants Causing Impairment</u> |
|------------------------|--|
| Aesthetic Quality | Aquatic Plants (Non-Pollutant), Total Phosphorus, Total Suspended Solids |
| Primary Contact | Fecal Coliform Bacteria |

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

Outfalls: 001 Non-Contact Cooling Water (DAF = 15 MGD)
002 Non-Contact Cooling Water (DAF = 15 MGD)

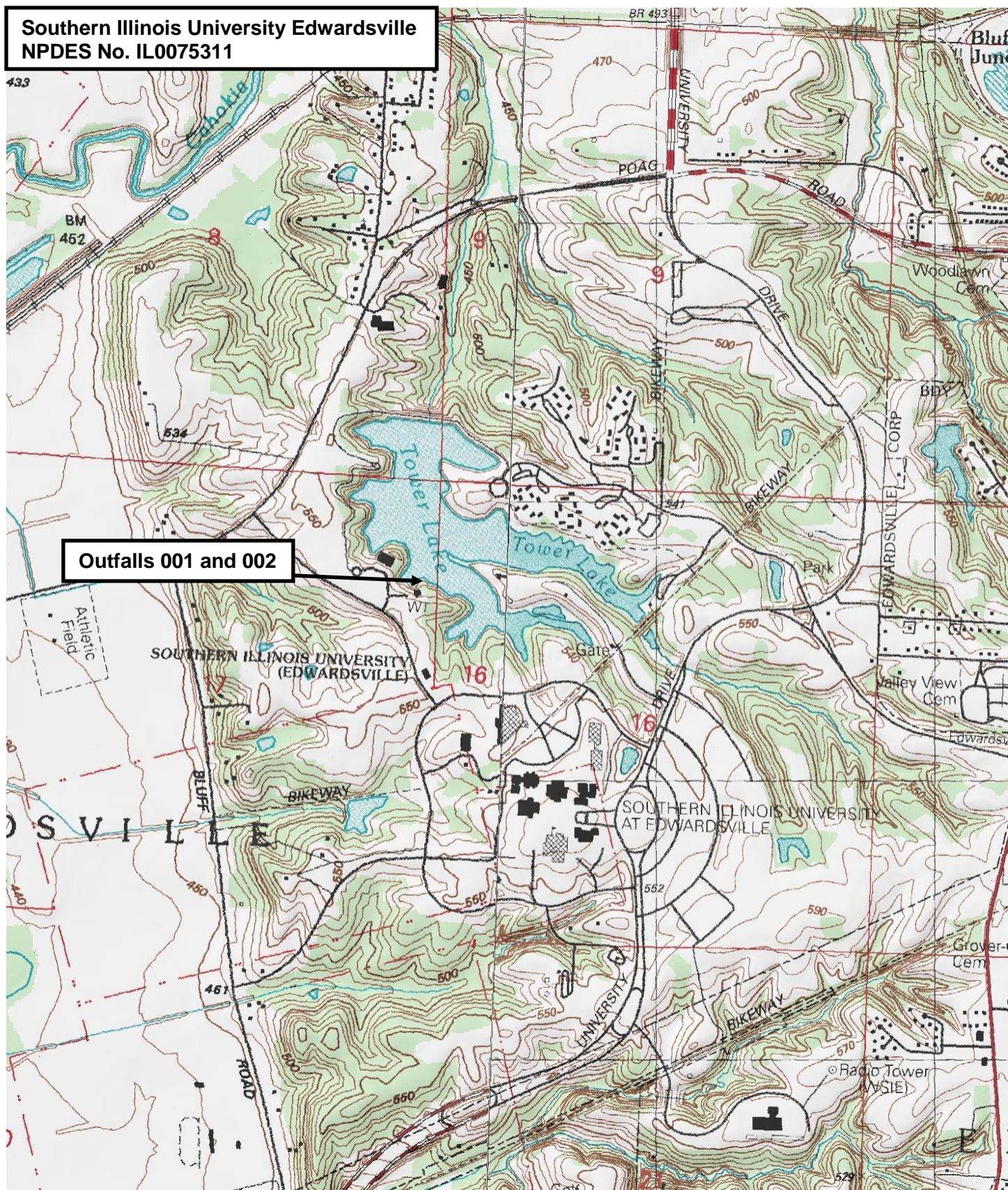
| PARAMETER | LOAD LIMITS lbs/day | | REGULATION | CONCENTRATION | | REGULATION |
|----------------------|---------------------|---------------|------------|----------------|---------------|----------------|
| | 30 DAY AVERAGE | DAILY MAXIMUM | | 30 DAY AVERAGE | DAILY MAXIMUM | |
| Flow (MGD) | | | | | | |
| Temperature (flume) | | | | Monitor Only | | 35 IAC 309.146 |
| Temperature (intake) | | | | Monitor Only | | 35 IAC 309.146 |
| Temperature (Lake) | | | | Monitor Only | | 35 IAC 309.146 |

As required by PCB 02-105 dated August 4, 2005 the thermal limits of 35 IAC 302.211(e) do not apply to the discharge from this facility.

The following explain the conditions of the proposed permit:

The special conditions clarify: flow, temperature, monitoring location, discharge monitoring reports, re-opener, and water treatment additive usage.

**Southern Illinois University Edwardsville
NPDES No. IL0075311**



NPDES Permit No. IL0075311

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:

Facility Name and Address:

Southern Illinois University Edwardsville
P.O. Box 1028
Edwardsville, IL 62026

Southern Illinois University Edwardsville
P.O. Box 1028
Edwardsville, IL 62026
(Madison County)

Discharge Number and Name:

Receiving Waters:

001 Non-Contact Cooling Water

Tower Lake

002 Non-Contact Cooling Water

Tower Lake

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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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:

Outfalls: 001 Non-Contact Cooling Water (DAF = 15 MGD)
 002 Non-Contact Cooling Water (DAF = 15 MGD)

| PARAMETER | LOAD LIMITS lbs/day <u>DAF (DMF)</u> | | CONCENTRATION <u>LIMITS mg/l</u> | | SAMPLE FREQUENCY | SAMPLE TYPE |
|----------------------|---|------------------|-------------------------------------|------------------|---------------------|-------------------|
| | 30 DAY AVERAGE | DAILY MAXIMUM | 30 DAY AVERAGE | DAILY MAXIMUM | | |
| Flow (MGD) | See Special Condition 1 | | | | 1/Week | |
| Temperature (flume) | See Special Condition 2 | | | | 1/Week | Single Reading |
| Temperature (intake) | See Special Condition 2 | | | | 1/Week | Single Reading |
| Temperature (Lake) | See Special Condition 2 | | | | 1/Week | Single Reading |

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 permittee shall monitor temperature once per week, on the same day at the following three locations 1) the effluent at the end of the flume; 2) the influent as the lake water is drawn into the chiller building and 3) the Cougar Lake monitoring point said to be unaffected by the effluent, i.e., a location on Cougar Lake remote from the effluent outfall. Results shall be reported as a monthly average and daily maximum on the monthly DMR under Temperature (flume), Temperature (intake), and Temperature (Lake) respectively.

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 (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 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 the event that the permittee must request a change in the use of water treatment additives, the permittee must request a change in this permit in accordance with Standard Conditions - - Attachment H.