

NPDES Permit No. IL0047520
Notice No. LRL.12062801.daa

Public Notice Beginning Date: **October 3, 2012**

Public Notice Ending Date: **November 2, 2012**

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:

Sauk Valley Community College
173 IL Route 2
Dixon, Illinois 61021

Name and Address of Facility:

Sauk Valley Community College
173 IL Route 2
Dixon, Illinois 61021
(Lee 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 Leslie Lowry at 217/782-0610.

The applicant is operating a community junior college (SIC 8222). Plant operation results in an average discharge of 0.01 MGD of treated sanitary wastewater from outfall 001, 0.005 MGD of non-contact cooling water from outfall 002, and an intermittent discharge of non-contact cooling water from outfall 003.

Application is made for existing discharges which are located in Lee 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	Rock River	41° 48' 57"	North	89° 36' 00"	West	General	C
002	Rock River	41° 49' 09"	North	89° 36' 01"	West	General	C
003	Rock River	41° 49' 09"	North	89° 36' 01"	West	General	C

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

The stream segment P-21 receiving the discharge from outfalls 001, 002 and 003 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:

Designated Use	Potential Cause
Fish Consumption	PCBs and Mercury

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

PARAMETER	LOAD LIMITS lbs/day DAF (DMF)			CONCENTRATION LIMITS mg/l		
	30 DAY AVGERAGE	DAILY MAXIMUM	REGULATION	30 DAY AVGERAGE	DAILY MAXIMUM	REGULATION
<u>Outfall 001:</u>						
Flow (MGD)						
pH				6 – 9 s.u.		35 IAC 304.125
CBOD ₅	6	10	40 CFR 122.44L	25	40	40 CFR 122.44L
Total Suspended Solids	8	11	40 CFR 122.44L	30	45	40 CFR 122.44L
Total Residual Chlorine					0.05	40 CFR 125.3 & 35 IAC 302.208
Fecal Coliform					400/100 ml	35 IAC 304.121
<u>Outfall 002:</u>						
Flow (MGD)						
pH				6 – 9 s.u.		35 IAC 304.125
Temperature						35 IAC 302.211
Total Residual Chlorine / Total Residual Halogen					0.05	40 CFR 125.3 & 35 IAC 302.208

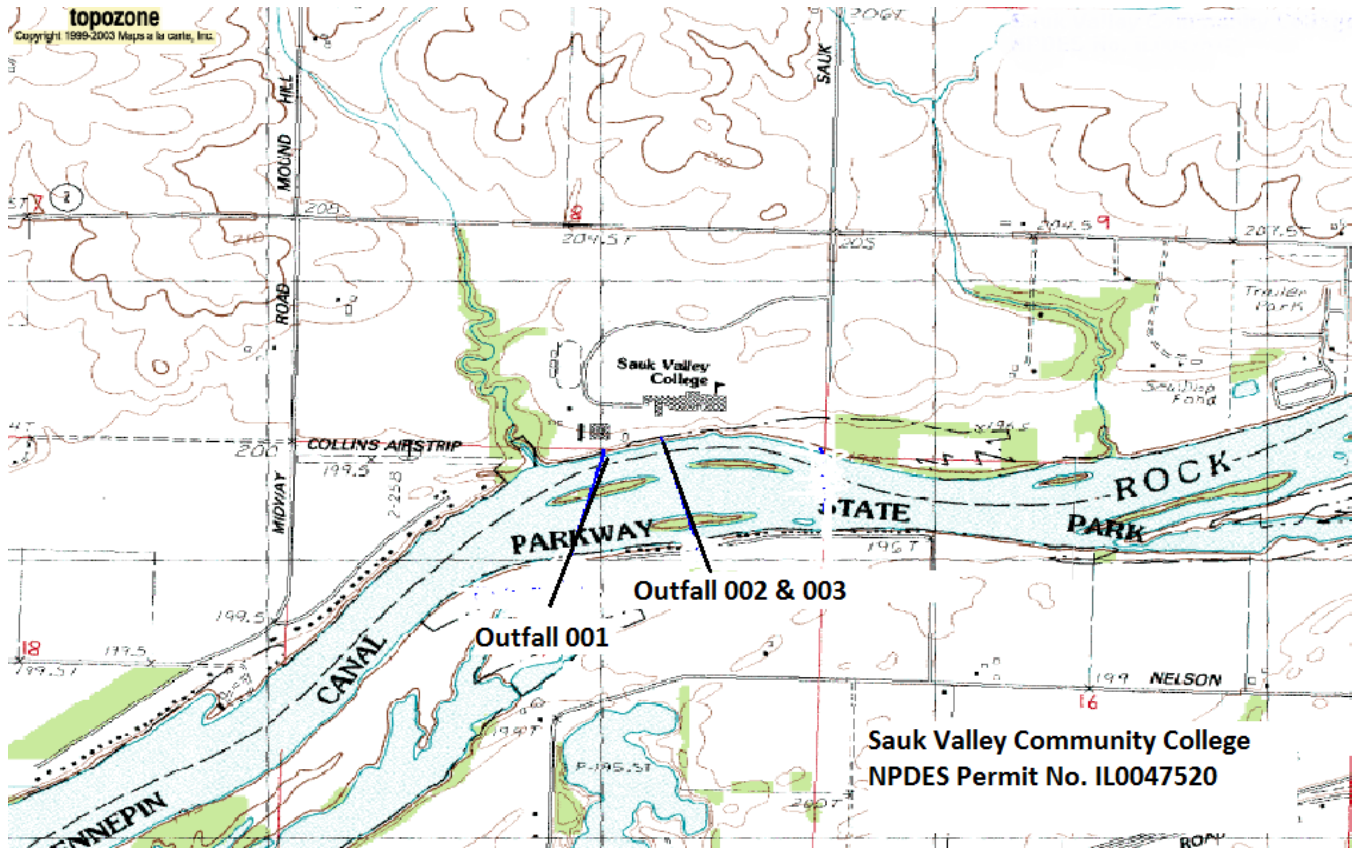
PARAMETER	LOAD LIMITS lbs/day DAF (DMF)			CONCENTRATION LIMITS mg/l		
	30 DAY AVG	DAILY MAX	REGULATION	30 DAY AVG	DAILY MAX	REGULATION
Outfall 003:						
Flow (MGD)						
pH				6 – 9 s.u.		35 IAC 304.125
Temperature						35 IAC 302.211
Total Residual Chlorine / Total Residual Halogen					0.05	40 CFR 125.3 & 35 IAC 302.208

Load Limit Calculations:

Load limit calculations for the following pollutant parameters were based on a design average flow of 0.03 MGD and a design maximum flow of 0.075 MGD and using the formula of average or maximum flow (MGD) X concentration limit (mg/l) X 8.34 = the average or maximum load limit (lbs/day): CBOD₅ and Total Suspended Solids.

The following explain the conditions of the draft permit:

The Special Conditions clarify flow, pH, temperature, total residual chlorine/total residual halogen, sampling location, discharge monitoring report submission, additives, and sludge.



NPDES Permit No. IL0047520

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:

Sauk Valley Community College
173 IL Route 2
Dixon, Illinois 61021

Facility Name and Address:

Sauk Valley Community College
173 IL Route 2
Dixon, Illinois 61021
(Lee County)

Discharge Number and Name:

001 Treated Sanitary Wastewater
002 Non-Contact Cooling Water
003 Non-Contact Cooling Water

Receiving Waters:

Rock River
Rock River
Rock 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:LRL:12062801.daa

NPDES Permit No. IL0047520

Effluent Limitations and Monitoring

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

PARAMETER	LOAD LIMITS lbs/day DAF (DMF)		CONCENTRATION LIMITS mg/l		SAMPLE FREQUENCY	SAMPLE TYPE
	30 DAY AVGERAGE	DAILY MAXIMUM	30 DAY AVGERAGE	DAILY MAXIMUM		
<u>Outfall 001 – Treated Sanitary Wastewater</u> (DAF = 0.03 MGD)						
Flow (MGD)	See Special Condition 1.				Continuous	Measure
pH	See Special Condition 2.				1/Month	Grab
CBOD ₅	6	10	25	40	1/Month	Composite
Total Suspended Solids	8	11	30	45	1/Month	Composite
Total Residual Chlorine	See Special Conditions 4 and 5.			0.05	1/Month	Grab
Fecal Coliform	See Special Condition 5.			400/100 ml	1/Month	Grab
<u>Outfall 002 – Non-Contact Cooling Water</u> (Average Flow = 0.005 MGD)						
Flow (MGD)	See Special Condition 1.				1/Month	Measure
pH	See Special Condition 2.				1/Month	Grab
Temperature	See Special Condition 3.				1/Month	Grab
Total Residual Chlorine / Total Residual Halogen	See Special Condition 4.			0.05	1/Month	Grab
<u>Outfall 003 – Non-Contact Cooling Water</u> (Intermittent Discharge)						
Flow (MGD)	See Special Condition 1.				1/Month When Discharging	Measure
pH	See Special Condition 2.				1/Month When Dischargeing	Grab
Temperature	See Special Condition 3.				1/Month When Discharging	Grab
Total Residual Chlorine / Total Residual Halogen	See Special Condition 4.			0.05	1/Month When Discharging	Grab

NPDES Permit No. IL0047520

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 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. 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 the 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 4. All samples for total residual chlorine (TRC) and total residual halogen (TRH) 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 5. Fecal Coliform limits for outfall 001 are effective May through October. Sampling of Fecal Coliform is only required during this time period. The daily maximum fecal coliform count shall not exceed 400 per 100 ml.

The total residual chlorine limit is applicable at all times. If the Permittee is chlorinating for any purpose during the months of November through April, sampling is required on a daily grab basis. Sampling frequency for the months of May through October shall be as indicated on effluent limitations, monitoring and reporting page of this Permit.

SPECIAL CONDITION 6. 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 7. For the purpose of this permit, the discharge from outfalls 002 and 003 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 other than those previously approved, the permittee must request a modification to this permit in accordance with the Standard Conditions - Attachment H.

SPECIAL CONDITION 8. 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 9. The use or operation of this facility shall be by or under the supervision of a Certified Class 2 operator.

SPECIAL CONDITION 10. The effluent, alone or in combination with other sources, shall not cause or contribute to a violation of any applicable water quality standard outlined in 35 Ill. Adm. Code 302.

NPDES Permit No. IL0047520

Special Conditions

SPECIAL CONDITION 11. 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 12. For the duration of this Permit, the Permittee shall determine the quantity of sludge produced by the treatment facility in dry tons or gallons with average percent total solids analysis. The Permittee shall maintain adequate records of the quantities of sludge produced and have said records available for IEPA inspection. The Permittee shall submit to the IEPA, at a minimum, a semi-annual summary report of the quantities of sludge generated and disposed of, in units of dry tons or gallons (average total percent solids) by different disposal methods including but not limited to application on farmland, application on reclamation land, landfilling, public distribution, dedicated land disposal, sod farms, storage lagoons or any other specified disposal method. Said reports shall be submitted to the IEPA by January 31 and July 31 of each year reporting the preceding January thru June and July thru December interval of sludge disposal operations.

Duty to Mitigate. The Permittee shall take all reasonable steps to minimize any sludge use or disposal in violation of this Permit.

Sludge monitoring must be conducted according to test procedures approved under 40 CFR 136 unless otherwise specified in 40 CFR 503, unless other test procedures have been specified in this Permit.

Planned Changes. The Permittee shall give notice to the IEPA on the semi-annual report of any changes in sludge use and disposal.

The Permittee shall retain records of all sludge monitoring, and reports required by the Sludge Permit as referenced in Standard Condition 23 for a period of at least five (5) years from the date of this Permit.

If the Permittee monitors any pollutant more frequently than required by the Sludge Permit, the results of this monitoring shall be included in the reporting of data submitted to the IEPA.

NPDES Permit No. IL0047520

Special Conditions

Monitoring reports for sludge shall be reported on the form titled "Sludge Management Reports" to the following address:

Illinois Environmental Protection Agency
Bureau of Water
Compliance Assurance Section
Mail Code #19
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276