

NPDES Permit No. IL0077691  
Notice No. LRL:12031501.daa

Public Notice Beginning Date: **May 15, 2012**

Public Notice Ending Date: **June 14, 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:

City of Petersburg  
P.O. Box 139  
Petersburg, Illinois 62675

Name and Address of Facility:

Petersburg WTP  
Altig Bridge Road  
Petersburg, Illinois 62675  
(Menard 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 engaged in the treatment of groundwater to produce potable water (SIC 4941). Plant operation results in an average discharge of 0.06 MGD of filter backwash, ion exchange backwash, non-contact cooling water, and treated sanitary wastewater from outfall 001.

The following modification is proposed:

Added the non-contact cooling water to outfall 001.

Application is made for the existing discharge which is located in Menard 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>Biological Stream Characterization</u>
001	Sangamon River	40°05'00"	North	89°50'15"	West	General Use	--

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

The stream segment E-24 receiving the discharge from outfall 001 is on the 2010 303(d) list of impaired waters and is not a biologically significant stream on the 2008 Illinois Department of the Natural Resources publication *Integrating Multiple Taxa in a Biological Stream Rating System*.

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

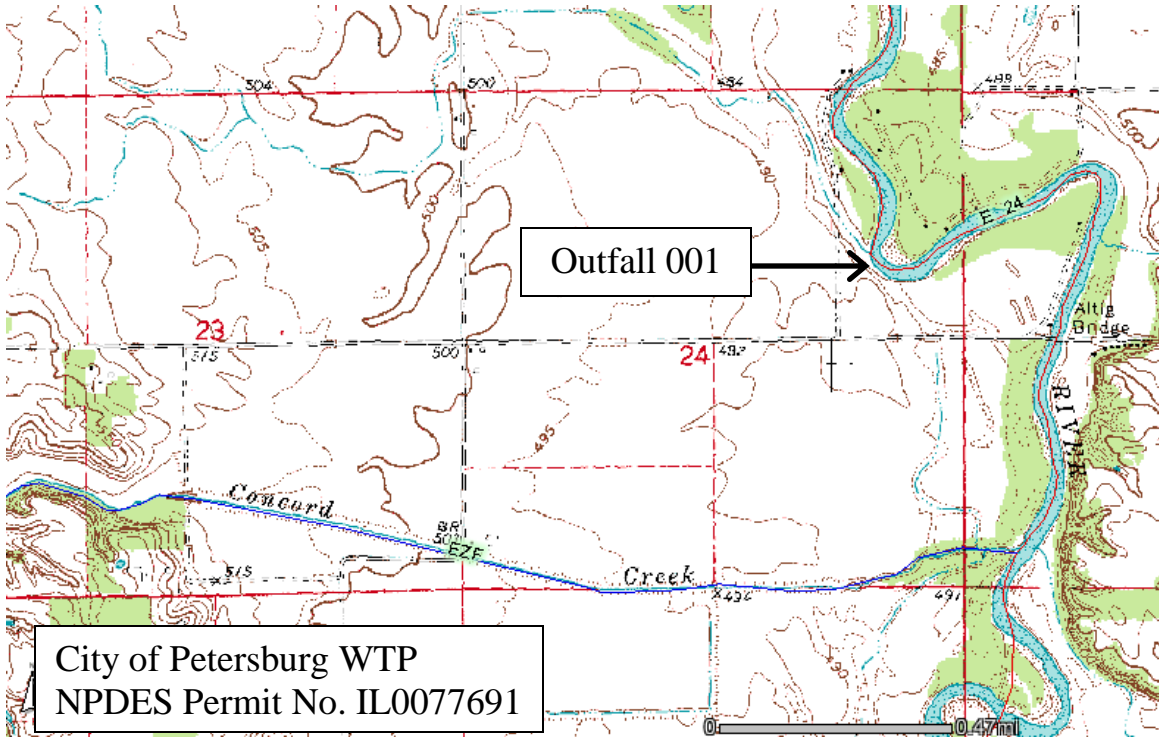
<u>Designated Use</u>	<u>Potential Cause</u>
Primary Contact Recreation, Fish Consumption	Fecal Coliform, Polychlorinated Biphenyls

The discharge 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 AVERAGE	DAILY MAXIMUM	REGULATION	30 DAY AVERAGE	DAILY MAXIMUM	REGULATION
<u>Outfall 001:</u>						
Flow (MGD)						
pH				6 – 9 s.u.		35 IAC 304.125
Temperature						35 IAC 302.211
Total Residual Chlorine					0.05	35 IAC 302.208 and 40 CFR 125.3
Total Suspended Solids				15	30	35 IAC 304.124
Iron (Total)				2	4	35 IAC 304.124
BOD <sub>5</sub>				Monitor Only		
Fecal Coliform				Monitor Only		
Chloride				Monitor Only		

The following explain the conditions of the proposed permit:

The Special Conditions clarify the following flow, pH, temperature, total residual chlorine, monitoring location, and discharge monitoring report submission.



NPDES Permit No. IL0077691

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:

City of Petersburg  
P.O. Box 139  
Petersburg, Illinois 62675

Petersburg WTP  
Altig Bridge Road  
Petersburg, Illinois 62675  
(Menard County)

Discharge Number and Name:

Receiving Waters:

001 Filter Backwash, Ion Exchange Backwash, Non-Contact  
Cooling Water, and Treated Sanitary Wastewater

Sangamon 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:12031501.daa

NPDES Permit No. IL0077691

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 DAF (DMF)		CONCENTRATION LIMITS mg/l		SAMPLE FREQUENCY	SAMPLE TYPE
	30 DAY AVERAGE	DAILY MAXIMUM	30 DAY AVERAGE	DAILY MAXIMUM		
<u>Outfall 001</u> – Filter Backwash, Ion Exchange Backwash, Non-Contact Cooling Water, and Treated Sanitary Wastewater (Average Flow = 0.06 MGD)						
Flow (MGD)	See Special Condition 1.				Measure When Monitoring	Measure
pH	See Special Condition 2.				1/Month	Grab
Temperature	See Special Condition 3.				1/Month	Grab
Total Residual Chlorine	See Special Condition 4.			0.05	1/Month	Grab
Total Suspended Solids			15	30	1/Month	Grab
Iron (Total)			2	4	1/Month	Grab
BOD <sub>5</sub>			Monitor Only		1/Quarter	Grab
Fecal Coliform			Monitor Only		1/Quarter	Grab
Chloride			Monitor Only		1/Quarter	Grab

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 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. 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 6. 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 7. 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 8. In addition to the other requirements of this permit, no effluent shall contain settleable solids, floating debris, visible oil, grease, scum, or sludge solids. Color, odor, and turbidity shall be reduced to below obvious levels.

Special Conditions

SPECIAL CONDITION 9. For the purpose of this permit, this discharge is limited to filter backwash, ion exchange backwash, non-contact cooling water, and treated sanitary wastewater, 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.



# ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 • (217) 782-3397

**PAT QUINN, GOVERNOR**

**JOHN J. KIM, INTERIM DIRECTOR**

217/782-0610

City of Petersburg  
P.O. Box 139  
Petersburg, Illinois 62675

Re: City of Petersburg  
Petersburg WTP  
NPDES Permit No. IL0077691  
Draft Permit

Gentlemen:

Attached to this letter is a copy of the draft Permit, Public Notice/Fact Sheet for your discharge. The Agency proposes to issue the NPDES Permit for your discharge as shown in the draft Permit.

Fifteen days from the date of this letter, the Agency proposes to distribute the attached Public Notice/Fact Sheet statewide. If you have objections to the content of the Public Notice/Fact Sheet, a written statement must be received by the Agency at the indicated address, attention: NPDES PN Clerk within 10 days.

The Agency will receive comments regarding the Permit for a period of 30 days after the Public Notice is issued. If you wish to comment or object to any of the terms and conditions of the Permit, you must state the objections in writing prior to the end of the public notice. The Agency may or may not change the Permit based on comments received from you or the public.

If you should have questions or comments regarding the above, please contact Leslie Lowry at 217/782-0610.

Sincerely,

Darin E. LeCrone, P.E.  
Manager, Industrial Unit  
Division of Water Pollution Control

DEL:LRL:12031501.daa

Attachments: Draft Permit, Public Notice/Fact Sheet

cc: Records Unit  
Compliance Assurance Section  
Klingner Associates, P.C.





# ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 • (217) 782-3397

**PAT QUINN, GOVERNOR**

**JOHN J. KIM, INTERIM DIRECTOR**

217/782-0610

Department of the Army  
Rock Island District  
Corps of Engineers  
Clock Tower Building  
Rock Island, Illinois 61201

Re: City of Petersburg  
Petersburg WTP  
NPDES Permit No. IL0077691  
Request for Corps of Engineers Comment

Gentlemen:

Attached please find a copy of the Public Notice/Fact Sheet for the subject discharge. Please review for determination of the impact of this discharge on navigation and anchorage. If no written reply is received at the indicated address, attention: NPDES PN Clerk within 15 days of the date of this request, the Agency will assume the Corps of Engineers has no objection to the proposed discharge.

Sincerely,

Darin E. LeCrone, P.E.  
Manager, Industrial Unit  
Division of Water Pollution Control

DEL:LRL:12031501.daa

Attachment: Public Notice/Fact Sheet

cc: Records Unit



# ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 • (217) 782-3397

**PAT QUINN, GOVERNOR**

**JOHN J. KIM, INTERIM DIRECTOR**

## MEMORANDUM

DATE:

TO: Manager, DWPC/FOS, Springfield Region

FROM: Darin E. LeCrone, Manager, Industrial Unit

SUBJECT: City of Petersburg  
Petersburg WTP  
NPDES Permit No. IL0077691  
Draft Permit, Public Notice/Fact Sheet

Please review the attached copy of the subject documents, and notify the Industrial Unit if you take exception to the limitations, sampling frequency, sample type or other requirements therein.

If no response is received within fifteen (15) days from the date of this memorandum, we will assume that you concur in the issuance of the Public Notice.

If you have any questions, please contact Leslie Lowry at 217/782-0610.

Thank you for your cooperation.

DEL:LRL:12031501.daa

Attachments: Draft Permit, Public Notice/Fact Sheet

cc: Records Unit



# ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 • (217) 782-3397

**PAT QUINN**, GOVERNOR

**JOHN J. KIM**, INTERIM DIRECTOR

217/782-0610

Municipal Clerk  
101 E. Sheridan Rd.  
Petersburg, Illinois 62675

Re: City of Petersburg  
Petersburg WTP  
NPDES Permit No. IL0077691  
Public Notice of Permit

Municipal Clerk:

In accordance with the requirements of the Illinois Pollution Control Board regulations of 35 Ill. Adm. Code 309.109(a)(2)(A), the attached National Pollutant Discharge Elimination System Public Notice is sent to a municipality in the vicinity of the applicant. The Agency understands that the applicant may not be associated with the municipality to which it is sent.

Please post the attached National Pollutant Discharge Elimination System Public Notice for a period of 30 days. In addition, please complete and return the enclosed postcard indicating the date of posting. Should you choose not to post the attached notice, please indicate so on the postcard and return.

Thank you for your cooperation.

Sincerely,

Darin E. LeCrone, P.E.  
Manager, Industrial Unit  
Division of Water Pollution Control

DEL:LRL:12031501.daa

Attachments: Public Notice/Fact Sheet, Post Card

cc: Records Unit



# ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 • (217) 782-3397

**PAT QUINN, GOVERNOR**

**JOHN J. KIM, INTERIM DIRECTOR**

217/782-0610

City of Petersburg  
P.O. Box 139  
Petersburg, Illinois 62675

Re: City of Petersburg  
Petersburg WTP  
NPDES Permit No. IL0077691  
Public Notice Permit

Gentlemen:

Please post the attached Public Notice for the subject discharge for at least a period of thirty days from the date on the Notice in a conspicuous place on your premises.

We have enclosed a copy of the draft NPDES permit on which this official Public Notice is based. If you wish to comment on the draft permit, please do so within 30 days of the Public Notice date. If there are any questions, please contact Leslie Lowry at 217/782-0610 or the address listed above.

Thank you for your cooperation.

Sincerely,

Darin E. LeCrone, P.E.  
Manager, Industrial Unit  
Division of Water Pollution Control

DEL:LRL:12031501.daa

Attachments: Draft Permit, Public Notice/Fact Sheet

cc: Records Unit  
Compliance Assurance Section  
Springfield Region  
Klingner Associates, P.C.



# ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 • (217) 782-3397

**PAT QUINN, GOVERNOR**

**JOHN J. KIM, INTERIM DIRECTOR**

217/782-0610

City of Petersburg  
P.O. Box 139  
Petersburg, Illinois 62675

Re: City of Petersburg  
Petersburg WTP  
NPDES Permit No. IL0077691  
Final Permit

Gentlemen:

Attached is the final NPDES Permit for your discharge. The Permit as issued covers discharge limitations, monitoring, and reporting requirements. Failure to meet any portion of the Permit could result in civil and/or criminal penalties. The Illinois Environmental Protection Agency is ready and willing to assist you in interpreting any of the conditions of the Permit as they relate specifically to your discharge.

The Agency has begun a program allowing the submittal of electronic Discharge Monitoring Reports (eDMRs) instead of paper Discharge Monitoring Reports (DMRs). If you are interested in eDMRs, more information can be found on the Agency website, <http://epa.state.il.us/water/edmr/index.html>. If your facility is not registered in the eDMR program, a supply of preprinted paper DMR Forms for your facility will be sent to you prior to the initiation of DMR reporting under the reissued permit. Additional information and instructions will accompany the preprinted DMRs upon their arrival.

The Permit as issued is effective as of the date indicated on the first page of the Permit. You have the right to appeal any condition of the Permit to the Illinois Pollution Control Board within a 35 day period following the issuance date.

Should you have questions concerning the Permit, please contact Leslie Lowry at 217/782-0610.

Sincerely,

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

SAK:LRL:12031501.daa

Attachment: Final Permit

cc: Records Unit  
Compliance Assurance Section  
Springfield Region  
Klingner Associates, P.C.



# ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 • (217) 782-3397

**PAT QUINN, GOVERNOR**

**JOHN J. KIM, INTERIM DIRECTOR**

217/782-0610

Mr. Edward Karecki  
U.S. Fish & Wildlife Service  
Chicago Illinois Field Office  
1250 South Grove Ave., Suite 103  
Barrington, Illinois 60010

Re: City of Petersburg  
Petersburg WTP  
NPDES Permit No. IL0077691

Gentlemen:

In accordance with 40 CFR 124.10, we hereby submit a copy of the Public Notice/Fact Sheet for the above discharger. If no written reply is received at the indicated address, attention: NPDES PN Clerk within 30 days of the date of this request, the Agency will assume that the U.S. Fish and Wildlife Service has no objection to the proposed discharge.

Sincerely,

Darin E. LeCrone, P.E.  
Manager, Industrial Unit  
Division of Water Pollution Control

DEL:LRL:12031501.daa

Attachment: Public Notice/Fact Sheet

cc: Records Unit

City of Petersburg  
P.O. Box 139  
Petersburg, Illinois 62675

City of Petersburg  
P.O. Box 139  
Petersburg, Illinois 62675

City of Petersburg  
P.O. Box 139  
Petersburg, Illinois 62675

Department of the Army  
Rock Island District  
Corps of Engineers  
Clock Tower Building  
Rock Island, Illinois 61201

Municipal Clerk  
101 E. Sheridan Rd.  
Petersburg, Illinois 62675

Mr. Edward Karecki  
U.S. Fish & Wildlife Service  
Chicago Illinois Field Office  
1250 South Grove Ave., Suite 103  
Barrington, Illinois 60010

Klingner Associates, P.C.  
616 N. 24<sup>th</sup> Street  
Quincy, IL 62301

Klingner Associates, P.C.  
616 N. 24<sup>th</sup> Street  
Quincy, IL 62301

Klingner Associates, P.C.  
616 N. 24<sup>th</sup> Street  
Quincy, IL 62301