

NPDES Permit No. IL0072788
Notice No. LRL:13112001.docx

Public Notice Beginning Date: **February 27, 2014**

Public Notice Ending Date: **March 31, 2014**

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:

Southwater, Inc.
P.O. Box 160
Dongola, Illinois 62926

Name and Address of Facility:

Southwater Water Treatment Plant
Route 1, Box 363B
Tamms, Illinois 62988
(Alexander 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 production of potable water for municipal use (SIC 4941). Plant operation results in an average discharge of 0.038 MGD of lime softening wastewater, particulate filter backwash, and clarifier sludge blowdown from outfall 001 and 20 gpd of sanitary wastewater from outfall 002.

Application is made for existing discharges which are located in Alexander 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	Unnamed Ditch Tributary to Sandy Creek	37° 13' 01"	North	89° 18' 55"	West	General Use	Not Rated
002	Unnamed Ditch Tributary to Sandy Creek	37° 13' 04"	North	89° 18' 55"	West	General Use	Not Rated

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

The stream segment receiving the discharge from outfalls 001 and 002 is not on the 2012 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 discharges from the facility shall be monitored and limited at all times as follows:

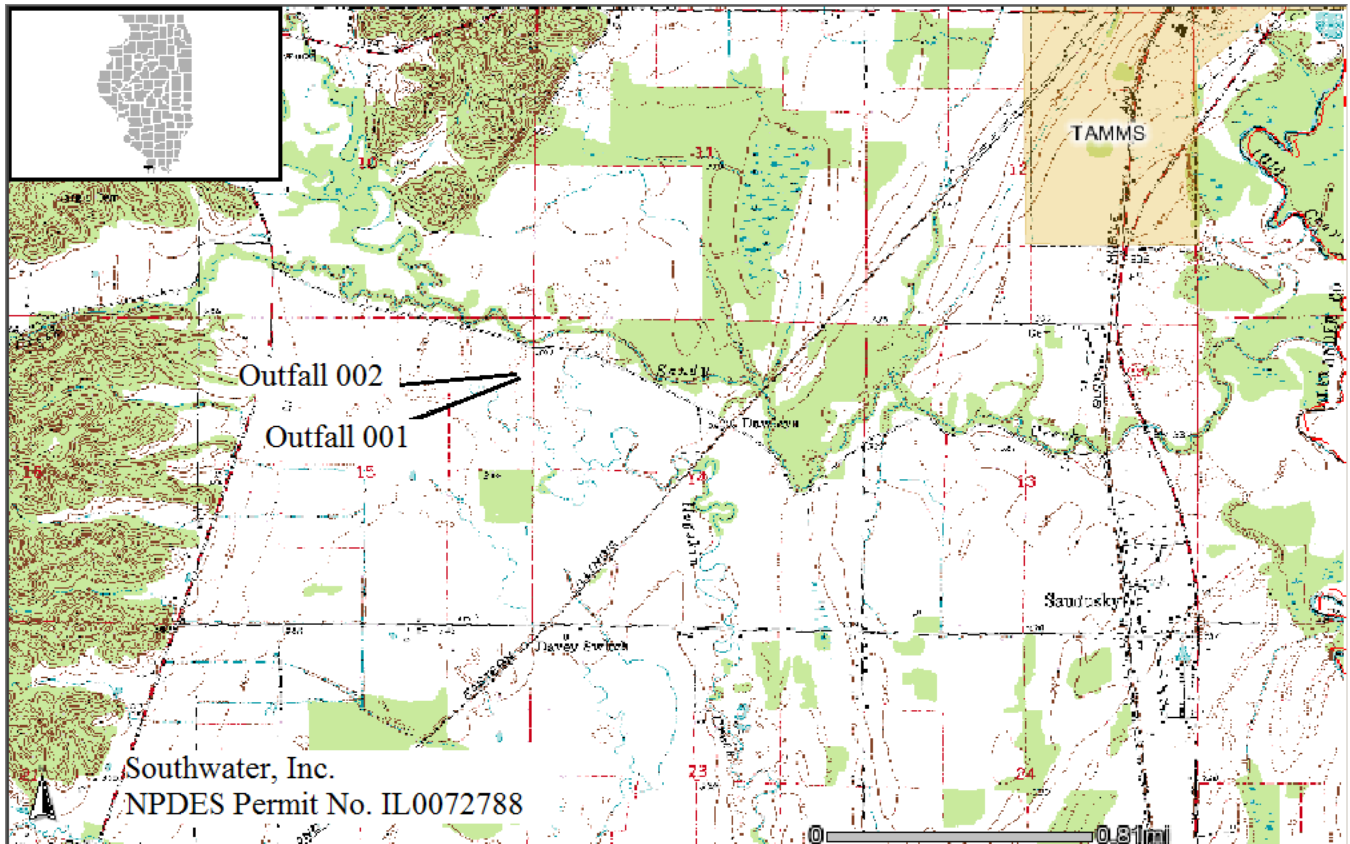
PARAMETER	LOAD LIMITS lbs/day DAF (DMF)			CONCENTRATION LIMITS mg/l		
	30 DAY AVERAGE	DAILY MAXIMUM	REGULATION	30 DAY AVERAGE	DAILY MAXIMUM	REGULATION
<u>Outfall 001:</u>						
Flow (MGD)						
pH				6 – 9 s.u.		35 IAC 304.125
Total Residual Chlorine					0.05	35 IAC 302.208 & 40 CFR 125.3
Iron (Total)				2	4	35 IAC 304.124
Total Suspended Solids				15	30	35 IAC 304.124
Chloride					500	35 IAC 302.208
<u>Outfall 002:</u>						
Flow (MGD)						
pH				6 – 9 s.u.		35 IAC 304.125
Total Residual Chlorine					0.05	35 IAC 302.208 & 40 CFR 125.3
Fecal Coliform					400/100 mL	35 IAC 304.121
Total Suspended Solids	0.04	0.08	35 IAC 304.120	12	24	35 IAC 304.120
BOD ₅	0.03	0.07	35 IAC 304.120	10	20	35 IAC 304.120
Ammonia (as N)				Monitor Only		
Dissolved Oxygen				Monitor Only		

Load Limit Calculations:

- A. Load limit calculations for the following pollutant parameters were based on a design average flow of 0.0004 MGD using the formula of design average flow (MGD) X concentration limit (mg/l) X 8.34 = the average or maximum load limit (lbs/day): BOD₅ and Total Suspended Solids.

The following explain the conditions of the proposed permit:

The special conditions clarify flow, pH, monitoring location, discharge monitoring report submission, total residual chlorine, and dissolved oxygen.



NPDES Permit No. IL0072788

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:

Southwater, Inc.
P.O. Box 160
Dongola, Illinois 62926

Facility Name and Address:

Southwater Water Treatment Plant
Route 1, Box 363B
Tamms, Illinois 62988
(Alexander County)

Discharge Number and Name:

001 Lime Softening Wastewater, Particulate Filter Backwash,
and Clarifier Sludge Blowdown
002 Sanitary Wastewater

Receiving Waters:

Unnamed Ditch Tributary to Sandy Creek
Unnamed Ditch Tributary to Sandy Creek

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 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 AVERAGE	DAILY MAXIMUM	30 DAY AVERAGE	DAILY MAXIMUM		
<u>Outfall 001 – Lime Softening Wastewater, Particulate Filter Backwash, and Clarifier Sludge Blowdown</u> (Average Flow = 0.038 MGD)						
Flow (MGD)	See Special Condition 1.				1/Month	Measure
pH	See Special Condition 2.				1/Month	Grab
Total Residual Chlorine	See Special Condition 3.			0.05	1/Month	Grab
Iron (Total)			2	4	1/Month	Grab
Total Suspended Solids			15	30	1/Month	Grab
Chloride				500	1/Month	Grab
<u>Outfall 002 – Sanitary Wastewater</u> (DAF = 400 gpd)						
Flow (MGD)	See Special Condition 1.				1/Month	Measure
pH	See Special Condition 2.				1/Month	Grab
Total Residual Chlorine	See Special Condition 3.			0.05	1/Month	Grab
Fecal Coliform	See Special Condition 4.			400/100 mL	1/Month	Grab
Total Suspended Solids	0.04	0.08	12	24	1/Month	Grab
BOD ₅	0.03	0.07	10	20	1/Month	Grab
Ammonia (as N)			Monitor Only		2/Year*	Grab
Dissolved Oxygen	See Special Condition 5.		Monitor Only		2/Year*	Grab
* - See Special Condition 9.						

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. The monthly average shall consist of the summation of the daily flows divided by the number of days the facility discharged during that month.

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. 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 4. The daily maximum fecal coliform count shall not exceed 400 per 100 mL.

SPECIAL CONDITION 5. Dissolved oxygen shall be monitored in the receiving stream.

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. 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 (NetDMRs) instead of mailing paper DMRs to the IEPA. More information, including registration information for the NetDMR program, can be obtained on the IEPA website, <http://www.epa.state.il.us/water/net-dmr/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 NetDMRs 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 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. Semi-annual samples shall be taken in January and July with analytical results submitted with the February and August DMRs.

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