

NPDES Permit No. IL0000281
Notice No. LRL:11121401.daa

Public Notice Beginning Date: **March 23, 2012**

Public Notice Ending Date: **April 23, 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:

Illinois American Water
300 North Water Works Drive
Belleville, Illinois 62223

Name and Address of Facility:

Illinois American Water
Interurban District Water Treatment Plant
800 North Front Street
East St. Louis, Illinois 62201
(St. Clair 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 operation of a potable water plant to produce potable water for domestic, commercial, and industrial uses (SIC 4941). Plant operation results in an average discharge of 3.65 MGD of filter backwash, clarification basin cleaning sludge blowdown, and water softener regenerant wastewater from outfall 001, 3.65 MGD of filter backwash, clarification basin cleaning sludge blowdown, and water softener regenerant wastewater from outfall 002, and 3,200 gpd of chouteau island pumping station grit tank effluent from outfall 003.

Application is made for existing discharges which are located in St. Clair 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	Mississippi River	38° 38' 17"	North	90° 10' 00"	West	General Use	Not Rated
002	Mississippi River	38° 38' 17"	North	90° 10' 00"	West	General Use	Not Rated
003	Mississippi River	38° 46' 34"	North	90° 09' 04"	West	General Use	Not Rated

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

The stream segment J 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:

<u>Designated Use</u>	<u>Potential Cause</u>
Fish Consumption and Public and Food Processing Water Supply	Mercury, Polychlorinated Biphenyls, and Manganese

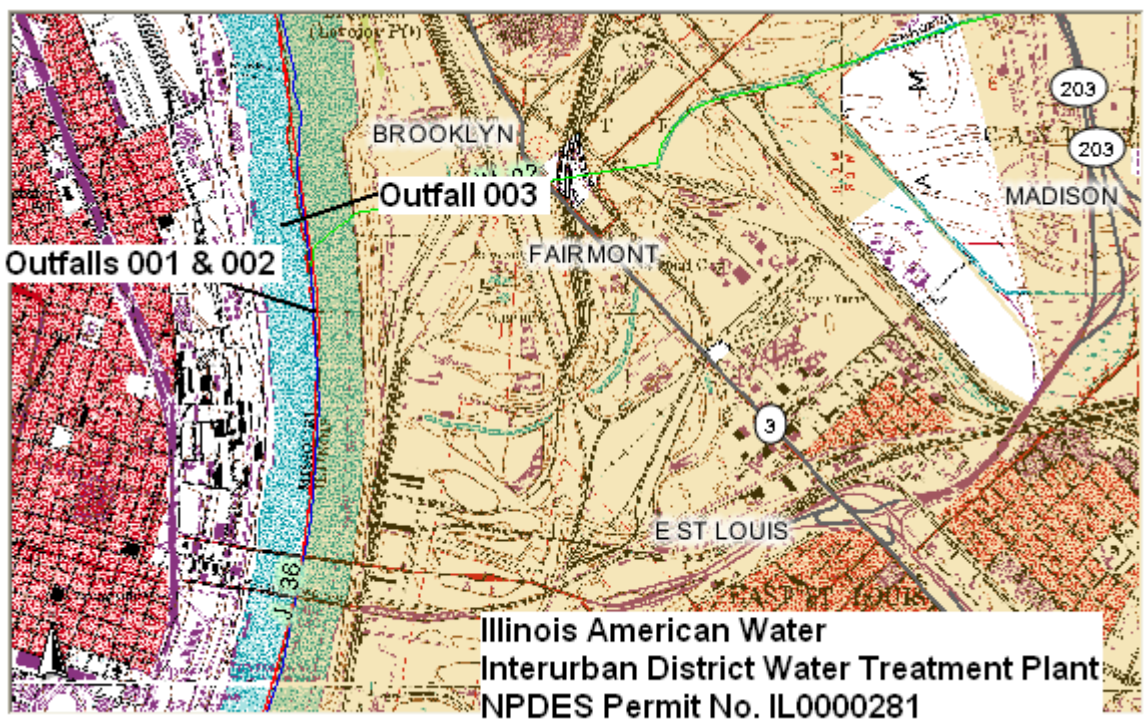
The discharges from the facility shall be monitored and limited at all times as follows:

<u>PARAMETER</u>	<u>LOAD LIMITS lbs/day</u> <u>DAF (DMF)</u>		<u>REGULATION</u>	<u>CONCENTRATION</u> <u>LIMITS mg/l</u>		<u>REGULATION</u>
	<u>30 DAY</u> <u>AVERAGE</u>	<u>DAILY</u> <u>MAXIMUM</u>		<u>30 DAY</u> <u>AVERAGE</u>	<u>DAILY</u> <u>MAXIMUM</u>	
<u>Outfall 001:</u>						
Flow (MGD)						
pH				6 – 9 s.u.		35 IAC 304.125
Iron (Total)				Monitor Only		35 IAC 304.220
Total Suspended Solids				Monitor Only		35 IAC 304.220
Total Residual Chlorine					0.05	40 CFR 125.3 & 35 IAC 302.208
<u>Outfall 002:</u>						
Flow (MGD)						
pH				6 – 9 s.u.		35 IAC 304.125
Iron (Total)				Monitor Only		35 IAC 304.220
Total Suspended Solids				Monitor Only		35 IAC 304.220
Total Residual Chlorine					0.05	40 CFR 125.3 & 35 IAC 302.208

PARAMETER	LOAD LIMITS lbs/day DAF (DMF)		REGULATION	CONCENTRATION LIMITS mg/l		
	30 DAY AVERAGE	DAILY MAXIMUM		30 DAY AVERAGE	DAILY MAXIMUM	REGULATION
<u>Outfall 003:</u>						
Flow (MGD)						

The following explain the conditions of the proposed permit:

The Special Conditions clarify flow, pH, Total Residual Chlorine, monitoring location, Adjusted Standard AS 91-11, and discharge monitoring report submission.



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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:

Illinois American Water
300 North Water Works Drive
Belleville, Illinois 62223

Illinois American Water
Interurban District Water Treatment Plant
800 North Front Street
East St. Louis, Illinois 62201
(St. Clair County)

Discharge Number and Name:	Receiving Waters:
001 Filter Backwash, Clarification Basin Cleaning Sludge Blowdown, and Water Softener Regenerant Wastewater	Mississippi River
002 Filter Backwash, Clarification Basin Cleaning Sludge Blowdown, and Water Softener Regenerant Wastewater	Mississippi River
003 Chouteau Island Pumping Station Grit Tank Effluent	Mississippi 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

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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 <u>DAF (DMF)</u>		CONCENTRATION <u>LIMITS mg/l</u>		SAMPLE FREQUENCY	SAMPLE TYPE
	30 DAY AVERAGE	DAILY MAXIMUM	30 DAY AVERAGE	DAILY MAXIMUM		
<u>Outfall 001 – Filter Backwash, Clarification Basin Cleaning Sludge Blowdown, and Water Softener Regenerant Wastewater</u> (Average Flow = 3.65 MGD)						
Flow (MGD)	See Special Condition 1.				1/Month	
pH	See Special Condition 2.				1/Month	Grab
Iron (Total)	See Special Condition 8 and 9.		Monitor Only		1/Month	Grab
Total Suspended Solids	See Special Condition 8 and 9.		Monitor Only		1/Month	Grab
Total Residual Chlorine	See Special Condition 7.			0.05	1/Month	Grab
<u>Outfall 002 – Filter Backwash, Clarification Basin Cleaning Sludge Blowdown, and Water Softener Regenerant Wastewater</u> (Average Flow = 3.65 MGD)						
Flow (MGD)	See Special Condition 1.				1/Month	
pH	See Special Condition 2.				1/Month	Grab
Iron (Total)	See Special Condition 8 and 9.		Monitor Only		1/Month	Grab
Total Suspended Solids	See Special Condition 8 and 9.		Monitor Only		1/Month	Grab
Total Residual Chlorine	See Special Condition 7.			0.05	1/Month	Grab
<u>Outfall 003 – Chateau Island Pumping Station Grit Tank Effluent</u> (Average Flow = 3,200 gpd)						
Flow (MGD)	See Special Condition 1.				1/Month	

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

SPECIAL CONDITION 7. 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 8. The permittee shall comply with provisions of adjusted standard AS 91-11.

SPECIAL CONDITION 9. Total Suspended Solids and Iron (Total) shall be reported in mg/l as monthly average and daily maximum concentrations.