

NPDES Permit No. IL0073717
Notice No. JAR:12032901.ajo

Public Notice Beginning Date: **June 8, 2012**

Public Notice Ending Date: **July 9, 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:

US United Barge Line
100 Scott Street
Metropolis, Illinois 62960

Name and Address of Facility:

US United Barge Line
100 Scott Street
Metropolis, Illinois 62960
(Massac 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 repair and servicing of river transportation vessels (SIC 4492). Waste water is generated from toilets and showers. Plant operation results in an average discharge of 0.000323 MGD of sanitary wastewater from outfall 001. Wastewater is treated using fixed activated sludge and chlorination.

The following modification is proposed:

1. The discharger address was changed.

Application is made for the existing discharge which is located in Massac 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	Ohio River	37° 08' 30"	North	88° 43' 15"	West	General Use	Not Rated

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

The stream segment A-920-981 receiving the discharge from outfall 001 is on the draft 2010 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:

Designated Uses	Pollutants Causing Impairment
Fish Consumption	Dioxin, Mercury and Polychlorinated biphenyls (PCB's)
Public Water Supply	Phenols

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

Outfall: 001 Sanitary Wastewater (DAF = 0.000323 MGD)

PARAMETER	LOAD LIMITS lbs/day		REGULATION	CONCENTRATION		REGULATION
	30 DAY AVERAGE	DAILY MAXIMUM		30 DAY AVERAGE	DAILY MAXIMUM	
Flow (MGD)						
pH			Shall be in the range of 6.0 to 9.0 standard units			35 IAC 304.125
CBOD ₅	0.07	0.15		25	50	35IAC304.120(g)
Total Suspended Solids	0.08	0.16		30	60	35IAC304.120(a)
Total Residual Chlorine					0.05	40 CFR 125.3 35 IAC 302.208
Fecal Coliform						35 IAC 304.121

Load limit calculations for the following pollutant parameters limited at outfall 001 were based on a design average flow of 0.000323 and using the formula of design average 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 proposed permit:

The permit includes a schedule of compliance to allow the permittee one year to design, procure and install any necessary treatment technologies necessary to meet the total residual chlorine limit.

The special conditions clarify flow reporting, pH, monitoring location, discharge monitoring reports, re-opening of the permit, and treatment system operator requirements.



NPDES Permit No. IL0073717

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:

US United Barge Line
100 Scott Street
Metropolis, Illinois 62960

US United Barge Line
100 Scott Street
Metropolis, Illinois 62960
(Massic County)

Discharge Number and Name:

Receiving Waters:

001 Sanitary Wastewater

Ohio 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:JAR:12032901.ajo

NPDES Permit No. IL0073717

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:

Outfall: 001 Sanitary Wastewater (DAF = 0.000323 MGD)

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		
Flow (MGD)	See Special Condition 1				1/Month	
pH	See Special Condition 3				1/Month	Grab
CBOD ₅	0.07	0.15	25	50	1/Month	Grab
Total Suspended Solids	0.08	0.16	30	60	1/Month	Grab
Total Residual Chlorine	See Special Conditions 7 and 10.			0.05	1/Month	Grab
Fecal Coliform	See Special Condition 8				1/Month	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 value on the monthly Discharge Monitoring Report.

SPECIAL CONDITION 2. 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 3. 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 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. The use or operation of this facility shall be by or under the supervision of a Certified Class K operator.

SPECIAL CONDITION 7. All samples for total residual chlorine (TRC) 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 daily maximum fecal coliform count shall not exceed 400 per 100 ml.

SPECIAL CONDITION 9. A zone of initial dilution is recognized for ammonia with dimensions of 2.0 feet across the width of the river from the end-of-pipe and 2.0 feet downstream from this point. With the ZID, 6:1 dilution is afforded. A mixing zone is recognized for ammonia with dimensions extending 2.0 feet across the width of the river and 2.0 feet downstream. Within the mixing zone 26:1 dilution is afforded.

SPECIAL CONDITION 10

Schedule of Compliance with Total Residual Chlorine Effluent Limitation

Project Description: Permittee shall achieve compliance with the effluent limitations for total residual chlorine in accordance with the following compliance schedule:

	<u>ITEM</u>	<u>COMPLETION DATE</u>
1.	Progress Report	January 1, 2013
2.	Achieve Compliance with Total Residual Chlorine Limit	July 1, 2013

Monitoring of the effluent for total residual chlorine is required as specified on page 2 of the permit from the effective date of the permit.

NPDES Permit No. IL0073717

Special Conditions

Reporting

The permittee shall submit a report no later than fourteen (14) days following the completion dates indicated for each numbered item in the compliance schedule, indicating, a) the date the item was completed, or b) that the item was not completed. All reports shall be submitted to IEPA at the addresses listed in Special Condition 4.