

NPDES Permit No. IL0064416

Notice No. GY:17011101.bah

Public Notice Beginning Date: **May 19, 2017**

Public Notice Ending Date: **June 19, 2017**

National Pollutant Discharge Elimination System (NPDES)
Permit Program

PUBLIC NOTICE/FACT SHEET
of
Draft Reissued NPDES Permit to Discharge into Waters of the State

Public Notice/Fact Sheet Issued By:

Illinois EPA
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:

Liberty Utilities(Fox River) LLC
2751 North High Street
Jackson, MO 63755

Name and Address of Facility:

Fox River Resort
2558 North 3653 Road
Sheridan, Illinois 60551
(LaSalle 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. All comments on the draft Permit and requests for hearing must be received by the IEPA by U.S. Mail, carrier mail or hand delivered by the Public Notice Ending Date. 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 numbers 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 Getie Yilma at 217/782-0610.

The following water quality and effluent standards and limitations were applied to the discharge:

Title 35: Environmental Protection, Subtitle C: Water Pollution, Chapter I: Pollution Control Board and the Clean Water Act were applied in determining the applicable standards, limitations and conditions contained in the draft Permit.

The applicant is engaged in treating domestic wastewater for Liberty Utilities (Fox River) LLC.

The length of the Permit is approximately 5 years.

The main discharge number is 001. The seven day once in ten year low flow (7Q10) of the receiving stream, Fox River is 233 cfs.

The design average flow (DAF) for the existing facility is 0.075 million gallons per day (MGD) and the design maximum flow (DMF) for the facility is 0.188 MGD. Treatment consists of a primary clarifier, trickling filtration, secondary clarifier, UV disinfection and aerobic digestion of sludge. The proposed treatment facility will include additional treatment for screening and an intermediate clarifier; and have a design average flow (DAF) of 0.225 million gallons per day (MGD) and a design maximum flow (DMF) of 0.675 MGD.

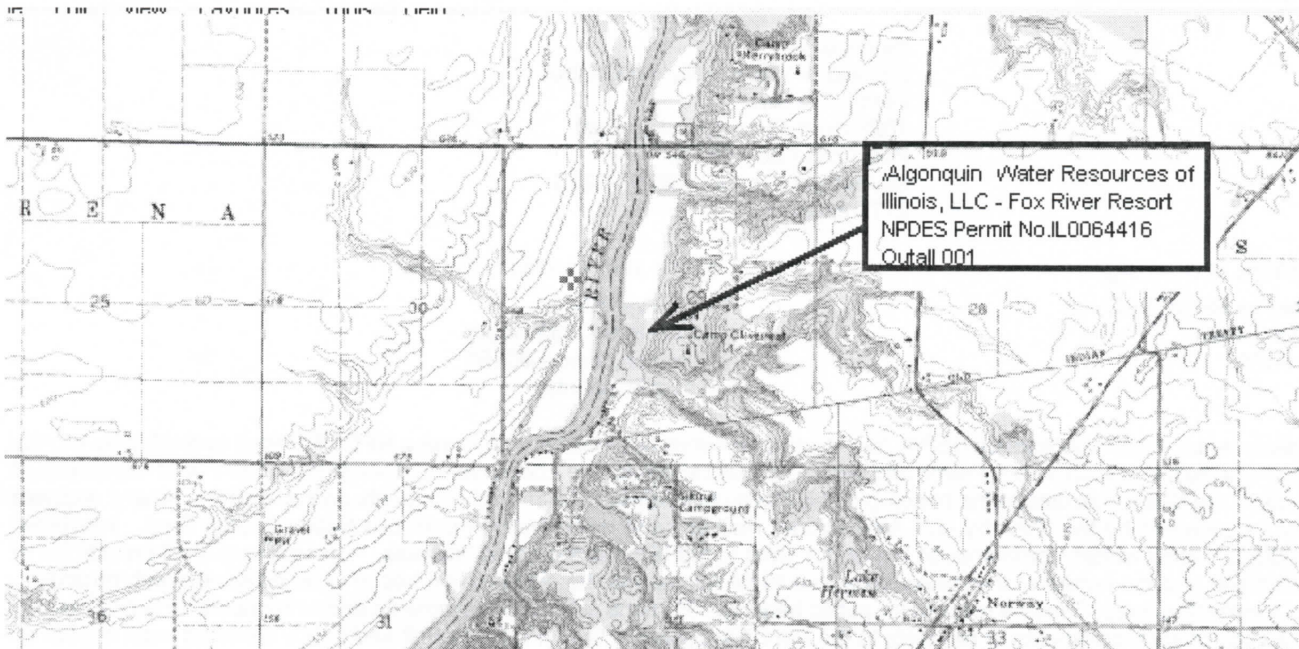
This Reissued Permit does not increase the facility's DAF, DMF, concentration limits, and/or load limits.

Pursuant to the waiver provisions authorized by 40 CFR § 123.24, this draft permit is within the class, type, and size for which the Regional Administrator, Region V, has waived his right to review, object, or comment on this draft permit action.

Application is made for the existing discharge(s) which is located in LaSalle County, Illinois. The following information identifies the discharge point, receiving stream and stream classifications:

<u>Discharge Number</u>	<u>Receiving Stream</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Stream Classification</u>	<u>Integrity Rating</u>
001	Fox River	41° 28' 46" North	88° 41' 25" West	General Use	Not Rated

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



The stream segment(s) (Waterbody Segment DT-02) receiving the discharge from outfall(s) 001 is on the 303(d) list of impaired waters.

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

Potential Causes

Polychlorinated biphenyls (PCBs)

Uses Impaired

Fish consumption

DRAFT

MAY 19 2017

PUBLIC NOTICED

Public Notice/Fact Sheet -- Page 3 -- NPDES Permit No. IL0064416

The discharge(s) from the facility is (are) proposed to be monitored and limited at all times as follows:

Discharge Number(s) and Name(s): 001 STP Outfall (Existing)

Load limits computed based on a design average flow (DAF) of 0.075 MGD (design maximum flow (DMF) of 0.188 MGD).

The effluent of the above discharge(s) shall be monitored and limited at all times as follows:

Parameter	LOAD LIMITS lbs/day DAF (DMF)*			CONCENTRATION LIMITS mg/L			Regulation		
	Monthly Average	Weekly Average	Daily Maximum	Monthly Average	Weekly Average	Daily Maximum			
CBOD ₅ **	16 (39)	25 (63)		25	40		35 IAC 304.120 40 CFR 133.102		
Suspended Solids**	19 (47)	28 (71)		30	45		35 IAC 304.120 40 CFR 133.102		
pH	Shall be in the range of 6 to 9 Standard Units						35 IAC 304.125		
Fecal Coliform	Daily Maximum shall not exceed 400 per 100 mL						35 IAC 304.121		
Chlorine Residual							0.33	35 IAC 302.208	
Ammonia Nitrogen:								35 IAC 355 and 35 IAC 302	
April-May/Sept.-Oct.								2.7 (6.7)	4.3
June-August								2.3 (5.6)	3.6
Nov.-Feb.								5.7 (14)	9.1
March								2.9 (7.4)	4.7
Total Phosphorus (as P)	Monitor only								35 IAC 309.146
Dissolved Oxygen				Monthly Avg. not less than	Weekly Avg. not less than	Daily Minimum			
March-July				N/A	6.0	5.0	35 IAC 302.206		
August-February				5.5	4.0	3.5			

*Load Limits are calculated by using the formula: $8.34 \times (\text{Design Average and/or Maximum Flow in MGD}) \times (\text{Applicable Concentration in mg/L})$

**BOD₅ and Suspended Solids (85% removal required): In accordance with 40 CFR 133, the 30-day average percent removal shall not be less than 85 percent.

The discharge(s) from the facility is (are) proposed to be monitored and limited at all times as follows:

Discharge Number(s) and Name(s): 001 STP Outfall (Proposed)

Load limits computed based on a design average flow (DAF) of 0.225 MGD (design maximum flow (DMF) of 0.675 MGD).

The effluent of the above discharge(s) shall be monitored and limited at all times as follows:

Parameter	LOAD LIMITS lbs/day DAF (DMF)*			CONCENTRATION LIMITS mg/L			Regulation
	Monthly Average	Weekly Average	Daily Maximum	Monthly Average	Weekly Average	Daily Maximum	
CBOD ₅ **	16 (39)	25 (63)		25	40		35 IAC 304.120 40 CFR 133.102
Suspended Solids**	19 (47)	28 (71)		30	45		35 IAC 304.120 40 CFR 133.102
pH	Shall be in the range of 6 to 9 Standard Units						35 IAC 304.125
Fecal Coliform	Daily Maximum shall not exceed 400 per 100 mL						35 IAC 304.121
Chlorine Residual						0.05	35 IAC 302.208
Ammonia Nitrogen:							
April-October							
November-March							
Total Phosphorus (as P)	Monitor only						35 IAC 309.146
				Monthly Avg. not less than	Weekly Avg. not less than	Daily Minimum	
Dissolved Oxygen							
March-July							
August-February							

*Load Limits are calculated by using the formula: $8.34 \times (\text{Design Average and/or Maximum Flow in MGD}) \times (\text{Applicable Concentration in mg/L})$

**BOD₅ and Suspended Solids (85% removal required): In accordance with 40 CFR 133, the 30-day average percent removal shall not be less than 85 percent.

DRAFT

MAY 19 2017

PUBLIC NOTICED

Public Notice/Fact Sheet -- Page 5 -- NPDES Permit No. IL0064416

This draft Permit also contains the following requirements as special conditions:

1. Reopening of this Permit to include different final effluent limitations.
2. Operation of the facility by or under the supervision of a certified operator.
3. Submission of the operational data in a specified form and at a required frequency at any time during the effective term of this Permit.
4. More frequent monitoring requirement without Public Notice.
5. Prohibition against causing or contributing to violations of water quality standards.
6. Recording the monitoring results on Discharge Monitoring Report Forms using one such form for each outfall each month and submitting the forms to IEPA each month.
7. The provisions of 40 CFR Section 122.41(m) & (n) are incorporated herein by reference.
8. Effluent sampling point location.
9. A requirement to monitor and a limit of 0.05 mg/L for residual chlorine when it is used.
10. Zone of Initial Dilution (ZID) for the existing treatment plant.
11. Zone of Initial Dilution (ZID) for the proposed treatment plant.
12. Submission of semi annual reports indicating the quantities of sludge generated and disposed.
13. Reopening of this Permit to include revised effluent limitations based on a Total Maximum Daily Load (TMDL) or other water quality study.
14. Notify agency of plant completion.