

FILED  
MAR 22 2024  
DeKalb County Clerk

**ORDINANCE NO. 612**

**AN ORDINANCE AMENDING THE CHARGES  
FOR THE USE OF AND SERVICE SUPPLIED  
BY THE KISHWAUKEE WATER RECLAMATION DISTRICT**

**WHEREAS**, Kishwaukee Water Reclamation District, DeKalb County, Illinois, is presently operating facilities for the collection and treatment of sewage to promote the health, safety, comfort, and convenience of its inhabitants and for the safeguarding of water resources; and

**WHEREAS**, it is necessary and in the public interest that user charges be sufficient to pay for the operation, maintenance, and replacement expenses of the system; and

**WHEREAS**, the current user charges as provided in Ordinance No. 606, Section 6 entitled "Wastewater Service Charges" have been determined by the Board of Trustees of the District to be insufficient to pay for the operation, maintenance, and replacement expenses of the system, including but not necessarily limited to labor, administration expenses, utilities, chemicals, supplies, and equipment replacements; and

**WHEREAS**, it is the duty and responsibility of the Board of Trustees of the Kishwaukee Water Reclamation District to establish and maintain user charges sufficient to operate and maintain the facilities of the District.

**NOW THEREFORE**, it is hereby ordained by the Board of Trustees of the Kishwaukee Water Reclamation District, DeKalb, Illinois, as follows:

**SECTION 1**

That this Ordinance is a further amendment to Ordinance No. 606 entitled "Amending a User Charge System and Regulating the Use of Public Sewers and Public Sewage Systems" as amended providing for the regulation and use of public and private sewers and drains, private sewage disposal, the installation and connection of building sewers, and the discharge of waters and wastes into the public sewer system of Kishwaukee Water Reclamation District, DeKalb County, Illinois: establishing charges for the use of a service supplied by said system and for connection thereto and providing penalties for violations thereof.

## SECTION 2

That Section 6, "Wastewater Service Charges" of Ordinance No. 606 shall be deleted in its entirety and replaced as follows:

- A. Basis for Wastewater Service Charges:** The wastewater service charges for the use of and for the service supplied by the wastewater facilities of the District shall consist of the rates determined by the Board of Trustees, from time-to-time, as stated in the then current User Rate Ordinance.
- B. Wastewater Surcharge:** A surcharge in addition to the above-mentioned charges will be assessed all users whose discharges exceed the average concentration for BOD<sub>5</sub>, 210 mg/l; SS, 240 mg/l, ammonia nitrogen (NH<sub>3</sub>-N), 25 mg/l, and total Phosphorus (TP), 10 mg/l. The surcharge will be based on metered sewage flow for all wastes which exceed these concentrations. The unit rate for BOD<sub>5</sub>, SS, NH<sub>3</sub>-N, and TP surcharge calculations shall be computed as follows:

  - a. Proportion the estimated annual revenue required to operate and maintain the wastewater facilities, including the equipment replacement fund, to the major plant categories.
  - b. Proportion the costs of the major plant categories to Volume, BOD<sub>5</sub>, SS, NH<sub>3</sub>-N, and TP.
  - c. Estimate wastewater volume, pounds of BOD<sub>5</sub>, pounds of SS, NH<sub>3</sub>-N, and TP to be treated.
  - d. Compute the unit cost per thousand gallons and per pound of BOD<sub>5</sub>, SS, NH<sub>3</sub>-N, and TP based on average strength waste.

The adequacy of the wastewater service charge shall be reviewed annually by the Board of Trustees. The wastewater service charge shall be revised periodically to reflect a change in debt service or change in the number of users and in operation and maintenance costs including equipment replacement costs. The purpose of annual review is to assure that each user through the wastewater service charge pays a proportionate share of operation and maintenance, including debt service, and to maintain proportionality of the user charge system.

**C. Measurement of Flow:** The volume of flow used for computing basic user charges and surcharges shall be the metered water consumption read to the lowest even increments of one hundred (100) cubic feet.

1. If the person or other dischargers (industrial, commercial, etc.), discharging wastes into the public sewers procure any part, or all, of their water from the sources other than the public waterworks system, all or a part of which is discharged into the public sewers, the discharger shall, if directed by Kishwaukee Water Reclamation District, install and maintain, at his expense, water meters of a type approved by the Manager for the purpose of determining the volume of water obtained from these other sources.
2. Devices for measuring the volume of waste discharge may be required by the Manager if these volumes cannot otherwise be determined from the metered water consumption records.
3. Metering devices for determining the volume of waste shall be installed, owned, and maintained by the person. Following approval and installation, such meters may not be removed without the consent of the Manager.

**D. Wastewater Service Charges - Metered Users:** There shall be and there are hereby established wastewater service charges for the use of and for the service supplied by the wastewater facilities of Kishwaukee Water Reclamation District to be applied to each user within Kishwaukee Water Reclamation District as stated below:

1. **Bi-Monthly Basic User Charge:** The bi-monthly Basic User Charge shall be as follows:

| <u>Water Meter Size</u>  | <u>Charge</u> |
|--------------------------|---------------|
| 3/4" service and smaller | \$23.75       |
| 1"                       | \$61.00       |
| 1.5"                     | \$137.00      |
| 2"                       | \$205.00      |
| 3"                       | \$430.00      |
| 4"                       | \$635.00      |
| 6"                       | \$1,785.00    |
| 8"                       | \$3,686.00    |
| 10"                      | \$5,900.00    |
| 12"                      | \$8,290.00    |

2. The Basic User Charge for single family and duplex Residential Users, regardless of the size of the water lines/meters serving their residences, shall be equal to the charge set forth above for users having a water service/meter size equal to ¾ inch.
3. User Rate: In addition to the Basic User Charge set for the above, users shall be charged at a user rate of \$3.00 per hundred cubic feet which shall be applied to all wastewater discharges based upon metered water consumption.

**E. Wastewater Service Charge - Non-metered Residential Users:** All non-metered residential users of the wastewater facilities shall pay a minimum bi-monthly flat rate charge of \$62.24 per billing to cover the cost of the basic user charge of \$23.75 per billing, and the bi-monthly basic user rate of \$3.00 per hundred cubic feet. The bi-monthly flat rate charge of \$62.24 per billing will allow a maximum use of one thousand two hundred eighty-three (1,283) cubic feet as follows:

|   |                |
|---|----------------|
| Bi-Monthly Basic User Charge                              | \$23.75        |
| Bi-Monthly Basic User Rate (1,283 cf @ \$3.00 per 100 cf) | \$38.49        |
| <b>Total Bi-Monthly Flat Rate</b>                         | <b>\$62.24</b> |

In the event use of the wastewater facilities is determined by the Manager to be in excess of 1,283 cubic feet per bi-monthly billing period, the Manager may require such flat rate user to install metering devices on the water supply or sewer main to measure the amount of service supplied and the amount charged shall be adjusted based on actual usage as set forth in paragraph D of this Section.

- F. Wastewater Service Charge – Special Circumstances:** Recognizing that there are several users who do not fall into either of the above categories, the District Manager will determine the appropriate Basic User Charge based on water usage which is discharged to the wastewater facilities taking all relevant factors into account. The applicable charges shall include not only the District Manager determined appropriate Basic User Charge but, in addition, a charge for usage based on \$3.00 per hundred cubic feet of wastewater discharged to the District facilities.
- G. Surcharge Rate:** In the event use of the wastewater facilities by non-residential users is determined by the Manager to include wastes in addition to average strength domestic waste, the user shall pay a surcharge cost in addition to the basic user charge, the basic user rate and the debt service rate. The rates of surcharge for BOD5, SS, NH3-N, and TP shall be as follows:
  - a. For biochemical-oxygen demand (BOD5) @ \$0.475 per pound/BOD5

- b. For suspended solids (SS) @ \$0.34 per pound SS
- c. For ammonia nitrogen (NH<sub>3</sub>-N) @ \$4.38 per pound NH<sub>3</sub>-N
- d. For Total Phosphorus (TP) @ \$5.61 per pound TP

**H. Computation of Surcharges:** The surcharge per user shall be computed by the following formula:

$$S = V (0.006238) [A (BOD_5-210) + B (SS-240) + C (NH_3-N-25) + D (TP-10)]$$

Where S = Amount of surcharge (\$)

V = Wastewater Volume In hundred cubic feet per billing period

(0.006238) = Unit weight of water x 10<sup>-6</sup> per one hundred cubic feet

A = Surcharge Rate for BOD<sub>5</sub> per lb.

BOD<sub>5</sub> = 5-day Biochemical Oxygen Demand, mg/l

210 = Allowable BOD<sub>5</sub> strength

B = Surcharge Rate for SS per lb.

240 = Allowable SS, mg/l

C = Surcharge Rate per lb. of NH<sub>3</sub>-N

25 = Allowable Ammonia-Nitrogen, mg/l

D = Surcharge Rate per lb. of TP

10 = Allowable TP, mg/l

The concentration of wastes discharged, in excess of average strength wastes, shall be used for computing surcharges and shall be established by sewage flow metering and waste sampling. Waste sampling and testing by an approved laboratory shall be completed by the discharger as often as may be deemed necessary by the Executive Director and shall be binding as a basis for surcharge.

**I. Computation of Wastewater Service Charge:** The wastewater service charge per user shall be computed by the following formula:

$$W = M + (V) (r + d) + S$$

Where W = Amount of wastewater service charge (\$) per billing period.

M = Basic User Charge in (\$) per billing period

V = Wastewater Volume in hundred cubic feet per billing period

r = User Rate in (\$) per hundred cubic feet.

d = Debt Service Rate in (\$) per hundred cubic feet.

S = Amount of Surcharge (Paragraphs E and G)

- J. Services Charge – Secondary Water Meters:** Some uses of water do not ultimately end up being disposed of by the sewerage or system maintained by the Kishwaukee Water Reclamation District such uses including, but not limited to filling swimming pools and watering lawns and such uses do not impose an additional burden on said system maintained by the Kishwaukee Water
1. Each system user shall have the option to install at said system user's sole cost and expense an additional water meter, said water meter being installed so as to register water usage to an outlet, the purpose and nature of which is solely for the supply of water which does not directly or indirectly impose an additional or incremental burden on the sewerage system maintained by the Kishwaukee Water Reclamation District.
  2. That for an additional reading fee of Twenty-Five and no/100 (\$25.00) Dollars per year (or such other amount as the Board of Trustees of the Kishwaukee Water Reclamation District may deem appropriate from time to time), each system user with an additional water meter so installed may have their meter read once per year to calculate the amount of water used that does not pose an additional or incremental burden on the sewerage system. If it is desirable for the system user to have their meter read more than once per year, then each additional reading will impose an additional reading fee as hereinabove stated.
  3. That after such a reading each system user shall receive a rebate for Sanitary District fees paid in conjunction with their normal billings which the readings of the additional water meter show were for water which did not pose an additional or incremental burden the sewerage system.
  4. That the rebate shall be calculated by multiplying the volume of water measured on the additional water meter for the applicable period times the sewer rate established by the District for sewer charges in effect during the applicable period.
  5. That such rebate shall be paid in the form of a check drawn on an account of the Kishwaukee Water Reclamation District and made payable to the system user as recorded on the Kishwaukee Water Reclamation District's records for the period included between meter readings.

### SECTION 3

The effective date of this Ordinance amending Ordinance No. 606 by establishing a change in sanitary sewer user charges shall be April 1, 2024.

This Ordinance shall be in full force and effect from and after passage, approval, and publication as of the effective date as stated in this Ordinance.

Passed and approved this 20<sup>th</sup> day of March 2024.

AYES: 3

NAYS: 0

Approved:

  
DENNIS J. COLLINS, President

Attest:

  
ANNE E. RAY, PG, Clerk

## CERTIFICATION

I, Ann Ray, the Clerk of the Kishwaukee Water Reclamation District of the County of DeKalb, State of Illinois, do hereby certify that I am keeper of its books and records and that the foregoing is a true and correct copy of an Ordinance duly adopted by its Board of Trustees, Kishwaukee Water Reclamation District, at a meeting duly convened and held on the 20<sup>th</sup> day of March, 2024.

SEAL



Ann E. Ray, PG, Clerk