



MSD PRIVATE METER PROGRAM

REGULATIONS AFFECTING THE USE OF PUBLIC AND PRIVATE SEWERS AND DRAINS, REGULATING THE DISCHARGE OF WATERS AND WASTES INTO THE PUBLIC SEWER SYSTEM, AND PROVIDING FOR CORRECTIVE ACTION AND LIBERTIES AND PENALTIES FOR THE VIOLATION OF PROVISIONS THEREOF.

EFFECTIVE JANUARY 1, 1980

Article 3

Wastewater Volume Determination

SECTION 3.01 - APPLICATION

Article III provides rules governing water from private water systems entering the public sewer system, and credit for metered water not entering the public sewer system.

SECTION 3.02 - DEFINITIONS

As used in this Article, Unless the context requires otherwise, the following words shall mean and be defined as hereinafter set forth:

- (a) "Public Water System" – The Louisville Water Company or other public water supply system.
- (b) "Private Water System" – Water from sources other than a public water system.
- (c) "Public Meter" – A meter installed by and in a public water system.
- (d) "Private Meter" – A meter installed by a customer to record water usage from a private water system.
- (e) "Subtractor Meter" – A meter installed by a customer to record metered water not entering the sewer system, which is deducted from the water usage recorded by a public or private meter to determine water entering the MSD sanitary or combined sewer system.
- (f) "Flow Recorder" – A device installed on a customer's wastewater discharge line in such a manner as to accurately determine the wastewater flow entering the MSD sanitary or combined sewer system.

SECTION 3.03 - PRIVATE WATER SYSTEMS

Water from a private water system may be discharged into the public sewer system subject to the following conditions:

- (a) An industrial or commercial customer, as classified by MSD, must install either a private meter or a flow recorder.
- (b) A residential customer, as classified by MSD, must pay sewer service charges based on the average water consumed by the average residential MSD customer, as determined by MSD.

SECTION 3.04 - METERED WATER NOT ENTERING THE SEWER SYSTEM

A customer shall not be charged sewer service for metered water not entering the public sewer system under any one of the following conditions:

- (a) The Customer must furnish evidence that the entire supply of water from the public meter or from the private meter is used in such a manner as to establish beyond a reasonable doubt that all the water so used does not enter the MSD sanitary or combined sewer system.
- (b) The customer must install a flow recorder (s) to measure the volume of the wastewater flow entering the MSD sanitary or combined sewer system at the point (s) of discharge.
- (c) The customer must install a subcontractor meter in such a manner as to establish beyond the MSD sanitary or combined sewer system.

SECTION 3.05 - INSTALLATION AND USE OF PRIVATE METERS, SUBTRACTOR METERS AND FLOW RECORDERS

The following regulations shall govern the installation and use of the private meters, subcontractor meters, and flow recorders:

- (a) Upon request, MSD shall provide the customer an application to be completed, executed, and returned to MSD by the applicant. The application and other information required by MSD, including drawings and specifications, must be submitted to MSD and approved by MSD in advance of the actual installation.
- (b) If the proposed installation is not in accordance with general requirements of MSD, then MSD shall reject the application.
- (c) Private meters, subcontractor meters, and flow recorders must register in increments of 1,000 gallons.
- (d) The installation shall be made by the customer at their expense.
- (e) The installation must be inspected and approved by an MSD representative after completion. In the event the installation does not conform to the approved plans, the customer at their expense, will immediately proceed to make the changes necessary to conform to MSD requirements.
- (f) Private meters, subcontractor meters, and flow recorders, shall be always maintained in good operating condition and at the customer's expense. The customer shall provide to MSD a Certification of Accuracy for each private meter, subcontractor meter, or flow recorder verifying that the registered gallons are accurate. Certificate of Accuracy is to be issued to MSD within two years of the installation of a new meter and each biennial period thereafter. The customer shall notify MSD immediately in the event the meter or flow recorder fails to accurately register, or in the event the customer intends to alter the installation in any way that would affect the accurate recording of wastewater entering the MSD sanitary or combined sewer system.
- (g) In the event it is discovered that a meter or flow recorder is not accurately registering the flow, MSD shall notify the customer to correct said condition. The customer will then have 90 days after receipt of notice to provide MSD with a Certification of Accuracy verifying that the malfunction has been corrected and that the registered gallons are accurate.
- (h) During the periods when a meter or flow recorder is not properly registering, MSD shall bill sewer service charges based on estimated water consumption or wastewater flow to the sewer, as determined by MSD.
- (i) The customer shall always grant access to MSD personnel or personnel of the public water system for the purposes of reading the meters or the recorders and inspecting the installation.

GENERAL REQUIREMENTS:

**INSTALLATION AND USE OF PRIVATE METERS,
SUBTRACTOR METERS AND FLOW RECORDERS**

Article 3, wastewater volume determination of MSD's wastewater discharge regulations, provides rules governing water from private water systems entering the public sewer system, and credit for metered water not entering the public sewer system.

Section 3.05 of the article states that proposed meter installations must be in accordance with the general requirements of MSD. The general requirement of MSD includes the following:

1. Safe Access for Meter Reading Personnel:

- (a) Above-floor meter installations should be in locations so meters may be read from floor level whenever possible.
- (b) In the event an overhead meter cannot be easily read from floor level, a fixed ladder must be installed, meeting KYOSH standards and extending three rungs above the meter, with a standing place provided while reading and recording the usages. Use of pipes or vents for climbing or standing will not be permitted.
- (c) Access paths (walkways) to meters must be in accordance with KYOSH specifications. Guard rails must be installed meeting KYOSH standards, to protect personnel from the hazards of open pits, tanks, vats, ditches, Etc.
- (d) Below-ground or below-floor installations must have covers that can be easily removed by meter reading personnel. If entry into pits or vaults is required, permanent ladders or steps meeting KYOSH standards must be installed and ventilation adequate to remove it from KYOSH's definition of a confined space. (30 changes in air each hour)
- (e) Meter sheds, or small buildings used for housing meters, must have ventilation adequate to remove it from KYOSH's definition of confined space. Pits or vaults must also meet requirements stated in 1(d) above.
- (f) Customers are encouraged to install remote meters for meters that are in hard-to-access places. It is hoped that future regulations will require remote readers when necessary.

2. Meter Installations:

- (a) All meters must be of a permanent-type recording. Electric powered meters cannot reset in times of power failure, cannot record when not in use, but must record low and/or minimum flow (usage). Reset buttons are not permitted.
- (b) All meters must be installed with permanent type connections for flow and power supply.
- (c) By-pass lines cannot be installed around well meters, flow recorders and/or add-on meters. Customers must be advised that NO credit will be provided for any water flows that bypass a subcontractor meter.

(d) All private meters must register and record in increments of 1,000 gallons. Meters must meet American Water Works Association (AWWA) Specifications to clearly show the (1,000 Gallons) readings by the difference in colors of dials and numbers.

(e) Effective 10/01/2023 MSD started the conversion to AMI technology for all PM Meters. As a result of the conversion all new PM Meter customers must purchase a Neptune Meter and an ITRON Endpoint Antenna from MSD.

(f) If you are applying to receive credits from a cooling tower process, please note that all cooling towers must have a functioning make-up meter and blown-down meter installed to accurately measure all water being used by cooling towers.

(g) NO conversion or multiplying are permitted for any meters.

3. **Drawings and Specifications:**

(a) Drawings and specifications of proposed meter installations must be submitted to and be approved by MSD in advance of the actual meter installations.

(b) Simple sketches may be submitted for single outdoor usages; However, utility plans must be submitted for interior meter installations showing complete water and/or sewer flows, to include the proposed meter locations.

(c) Specifications must be provided for large (over 2-inch) mechanical meters and for all other type meters.