

LCBPU Policies and Procedures Manual

Subject: Wastewater System Expansion
Area: Construction Policies
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BACKGROUND AND PURPOSE

This policy is for wastewater system expansion that must be built or improved to serve new areas or increased demand required for development. The purpose of this policy is to determine the requirements for expanding the wastewater collection system and who will carry the burden of the cost to serve the new areas.

The policy may be applied to new piping, upsized piping, lift stations, wastewater plants and other required infrastructure that may be required by new development and increased population on the wastewater system.

PUBLIC NOTICE

A copy of this policy shall be available in the business office of the utility for customer and public inspection during regular business hours or official meetings of the utility. This policy may also be viewed on our web site at lincolncountybopu.com

POLICY:

Areas that require new wastewater mains to be extended or existing system improvements shall first be reviewed by the Superintendent and final decisions and approvals shall be made by the LCBPU Board of Directors. New areas to be served shall be considered for their size, scope, priority, available wastewater system capacity and cost versus benefit.

Wastewater force main and/or gravity flow collection system extensions shall require hydraulic analysis. All extensions shall meet the system design and standard criteria applicable at the time. However, unforeseen circumstances may require additional improvements at the expense of the individual or developer seeking the system expansion. Examples of this may include rock removal, lift station upgrades, line size or capacity improvements upstream or downstream of the project, etc.

Minimum pipe size in the wastewater force main system is 2" PVC and it will only be allowed for extension situations determined by the Superintendent, system Engineer and Board to not require industrial development and where further extension is not expected. An example would be short dead end runs of pipe where limited flow is expected. Other pipe sizes above 2" shall be 4", 6" and up in 2" increments. All force main pipe above 2" in size shall be based on current requirements of the LCBPU specifications and engineering recommendations. All pipe and other materials to be used in the collection system must be from an approved manufacturer. With the exception of 2" pipe segments, all system expansion shall be designed with consideration of future capacity requirements.

Individuals requiring a wastewater main extension to serve a single residence shall pay an estimated cost per linear foot of the cost to extend the line plus the Tap and Capacity Fees plus any rock removal or unforeseen costs. The Lincoln County Board of Public Utilities shall provide the required engineering, permits and approvals at cost to the Individual requiring the extension. The utility shall also determine the appropriate collection main size, which satisfies the hydraulic requirements of the collection system. As an alternative, the Individual may hire an approved contractor to complete the extension and service(s) according to engineering requirements and specifications. In this case the individual will cover all construction costs plus service charge and applicable deposit, upon activation of service. The main will be constructed by either a contractor with a current State of Tennessee Municipal Utility Contracting License MU-B or Building Construction Contracting License BC or BC-B or the work may be done by LCBPU. Construction inspection, pressure testing, vacuum testing shall be overseen by a LCBPU employee. Any operation of wastewater system infrastructure, such as valves or lift stations shall be done by LCBPU employees. The LCBPU

field inspector, Superintendent, or Engineer shall have the authority to issue a work stoppage, at their discretion, if the work or materials are found to be unacceptable.

The LCBPU, at its sole discretion, shall determine if any project or portion of a project is beyond the capability or capacity of the LCBPU. In this case the Individual will be responsible for hiring an appropriate approved contractor to complete the project or the portion of the project as required.

Developers that are planning to subdivide a parcel for residential, commercial or industrial use or develop one in such a way as to require the collection of significant flows, shall first meet with or have their engineer meet with the LCBPU Superintendent. An engineering report shall be required detailing flow potential, wastewater system capacity requirements and pressure or flow calculations for the site and for any areas of the wastewater system upstream or downstream of the site. The engineering report shall be provided to LCBPU for review by the system Engineer, Superintendent and Board of Directors. Developments requiring a wastewater main extension or capacity improvement to serve residential, commercial or industrial properties shall bear all costs associated with the project. They shall use pipe and other materials as specified by the system engineer. The minimum pipe size for these pipe extensions shall be determined by hydraulic analysis by the Engineer and approved by the Superintendent and the Board. Upon approval, the developer will be responsible for required engineering, permits and approvals. The system will be constructed by either a contractor with a current State of Tennessee Municipal Utility Contracting License MU-B or Building Construction Contracting License BC or BC-B or, at LCBPU's discretion, the work may be done by LCBPU. LCBPU may require a larger main or mains than what is determined by the approved engineering report in cases where future wastewater system expansion or improvements may require more capacity. Construction inspection, pressure testing and/or vacuum testing shall be overseen by a LCBPU employee. Any operation of wastewater system infrastructure, such as valves or lift stations shall be done by LCBPU employees. The LCBPU field inspector, Superintendent, or Engineer shall have the authority to issue a work stoppage at their discretion if the work or materials are found to be unacceptable. Developers will be responsible for all costs associated with required activities.

TURNING OVER INFRASTRUCTURE

Upon completion of a project, the ownership of the piping and system improvements shall be transferred to the Lincoln County Board of Public Utilities by means of a letter which indicates the value of the asset. Receipts should accompany the letter as confirmation of the asset value for purposes of auditing.

System expansion or improvement projects that exceed \$5,000 shall be warranted by the individual or the developer that contracted the construction. The warranty period shall be 12 months from the date that the system infrastructure was turned over to LCBPU for ownership and operation. The warranty shall cover materials and workmanship in the form of a maintenance bond or via a letter-of-credit from an acceptable banking institution.

REVIEW BY MANAGER AND STAFF

The Board of Utilities is the sole policy making body for the utility. The Board authorizes the manager to handle routine determinations in the application of this policy. The manager may designate appropriate office personnel to handle routine determinations. Any unusual issues shall be referred to the Board.

REVIEW BY THE BOARD

When a customer or other complaining party appears at a Board meeting regarding this policy without previously submitting the facts regarding the issue to the manager or office staff, the Board may delay hearing or ruling on the case until the next regular meeting to allow the Manager, staff, attorney or others to locate and prepare materials concerning the issue.

OMISSIONS

In the absence of specific rules or policies, the determinations in conducting this policy shall be made by the Board of Utilities in accordance with its usual and customary practices.