

## Chapter 27--Public Works

### Subchapter A--General

27.000. Public Works. Public Works is a general category of structures and services, maintained by the government, essential to the welfare and quality of life for its citizens. It includes public buildings, transportation infrastructure (roads, sidewalks, and trails), public spaces (public squares and parks), public services (waterworks and sewer system), stormwater and other physical assets and facilities.

27.010. Combined waterworks and sewerage system. It is hereby found, determined and declared to be necessary for the public health, safety, welfare and benefit of the City of Sarcoxie, Missouri, and its inhabitants that the existing waterworks and the existing sewerage system of the City of Sarcoxie, Missouri, and all future improvements and extensions thereto, be combined and that they shall thenceforth be operated and maintained as a combined waterworks and sewerage system.

#### 27.020. Water and Sewer Service Outside City Limits

1. Effective May 5, 2020, the City of Sarcoxie shall not supply new out of town water or sewer service for properties located outside of city limits. Properties desiring to access city water or sewer are required to annex into the City. All properties outside of city limits that received city water and / or sewer as of May 5, 2020, are grandfathered in.
2. Grandfathered properties pay utility bills at the same rates as properties located within city limits plus an additional out of town fee added to each monthly bill. The rate of this additional out of town fee is noted on the City's official rate sheet and periodically reviewed by the Board of Aldermen.

27.030. Rate Sheet. Any rates or fees described in this chapter shall be set and approved by the Board of Aldermen and published and maintained by the City Clerk. Such rates and fees are reviewed and changed by the Board of Aldermen.

27.040. Definitions. Unless the context specifically indicates otherwise, the definitions listed in Appendix A shall apply in the interpretation and enforcement of this chapter.

27.050. Superintendent of Public Works. It is hereby established and created, the position of Superintendent of Public Works.

1. Such duties shall include the oversight and maintenance of:
  - a. All public properties of the City including all water, sewer, and street systems;
  - b. All operations, maintenance of machinery, electrical and carpentry projects;
  - c. All future extensions and developments, housing developments, and annexations pertaining to water and sewage, and;
  - d. All records as to the operation and cost of water, sewer, and street systems.

2. The Superintendent is hereby authorized and empowered to employ and supervise full and part time employees whose number and rate of pay shall be set by the Board of Aldermen.
3. The Superintendent shall report directly to the Mayor and attend City Council meetings as requested to report the work of the department and submit proposed plans and programs from the improvement of the water, sewer, and street systems.
4. Powers and Authority
  - a. The Superintendent, and other duly authorized employees of the City, bearing proper credentials and identification shall be permitted free entry to inspect any connections to the City's combined system as detailed in this chapter.
  - b. The Superintendent, and other duly authorized members of the City shall be permitted to enter all private properties through which the City holds a duly negotiated easement for the purpose of, but not limited to, inspection, observation, measurement, sampling, repair and maintenance of any portion of the combined system lying within said easement. All entry and subsequent work, if any, on said easement, shall be one in full accordance with the terms of the duly negotiated easement pertaining to the private property involved.

#### Subchapter B—Water

27.060. Meters required; free water service. Water service shall be supplied only through water meters installed by and meeting the City's specifications, and only one connection shall be permitted to each water meter. No free water service shall be furnished to any premises, or the owner or occupant thereof, except to the City itself.

27.070. Violation is a misdemeanor. It shall be a misdemeanor for any person or persons to tamper with any water main or water meter, or to make any connection to the waterworks system of the City without written permission from the City, or to reconnect service when service has been discontinued for nonpayment of a bill for service until such bill, including the reconnection charge, has been paid in full. Upon conviction, there shall be imposed a fine of not less than Ten and No/100 (\$10.00) Dollars, nor more than Five Hundred and No/100 (\$500.00) Dollars. Each day that any water service is obtained from the City as a result of any of the wrongful acts herein above set out shall constitute a separate violation of this ordinance.

27.080. Lead Banned from Drinking Water Plumbing

1. No water service connection shall be installed or maintained to any premises where lead base materials were used in new construction or modifications of the drinking water plumbing after January 1, 1989.
2. If a premises is found to be in violation of this section, water service shall be discontinued until such time that the drinking water plumbing is lead free.

**27.090. Cross Connections Prohibited**

1. No water service connection shall be installed or maintained to any premises where actual or potential cross connections to the public potable or consumer's water system may exist unless such actual or potential cross connections are abated or controlled to the satisfaction of the Public Works Superintendent, and as required by the laws and regulations of the Missouri Department of Natural Resources.
2. No connection shall be installed or maintained whereby an auxiliary water supply may enter a public potable or consumer's water system unless such auxiliary water supply and the method of connection and use of such supply shall have been approved by the Public Works Superintendent and the Missouri Department of Natural Resources.
3. No water service connection shall be installed or maintained to any premises in which the plumbing system, facilities and fixtures have not been constructed and installed using acceptable plumbing practices considered by the Public Works Superintendent as necessary for the protection of health and safety.

**27.100. Type of Protection Required**

1. The type of protection required by this ordinance shall depend on the degree of hazard which exists, as follows:
  - a. An approved air gap separation shall be installed where the public potable water system may be contaminated with substances that could cause a severe health hazard.
  - b. An approved air gap separation or an approved reduced pressure principle backflow prevention assembly shall be installed where the public potable water system may be contaminated with a substance that could cause a system or health hazard.
  - c. An approved air gap separation or an approved reduced pressure principle backflow prevention assembly or an approved double check valve assembly shall be installed where the public potable water system may be polluted with substances that could cause a pollution hazard not dangerous to health.

**27.120. Where Protection is Required**

1. An approved backflow prevention assembly shall be installed on each service line to a consumer's water system serving premises where, in the judgement of the Public Works Superintendent or the Missouri Department of Natural Resources, actual or potential hazards to the public potable water system exist. The type and degree of protection required shall be commensurate with the degree of hazard.
2. An approved air gap separation or reduced pressure principle backflow prevention assembly shall be installed at the service connection or within any premises where, in

the judgement of the water surveyor or the Missouri Department of Natural Resources, the nature and extent of activities on the premises, or the materials used in connection with the activities, or materials stored on the premises, would present an immediate and dangerous hazard to health should a cross connection occur, even though such cross connection may not exist at the time the backflow prevention device is required to be installed. This includes but is not limited to the following situations:

- a. Premises having an auxiliary water supply, unless the quality of the auxiliary supply is acceptable to the Public Works Superintendent and the Missouri Department of Natural Resources.
  - b. Premises having internal cross connections that are not correctable, or intricate plumbing arrangements which make it impractical to ascertain whether or not cross connections exist.
  - c. Premises where entry is restricted so that inspection for cross connections cannot be made with sufficient frequency or at sufficiently short notice to assure the cross connections do not exist.
  - d. Premises having a repeated history of cross connections being established or reestablished.
  - e. Premises, which due to the nature of the enterprise therein, are subject to recurring modification or expansion.
  - f. Premises on which any substance is handled under pressure so as to permit entry into the public water supply, or where a cross connection could reasonably be expected to occur. This shall include the handling of process waters and cooling waters.
  - g. Premises where materials of a toxic or hazardous nature are handled such that if back siphonage or back pressure should occur, a serious health hazard may result.
3. The types of facilities listed in Appendix B fall into one or more of the categories of premises where an approved air gap separation or reduced pressure principle backflow prevention assembly is required by the Public Works Superintendent and the Missouri Department of Natural Resources to protect the public water supply and must be installed at these facilities unless all hazardous or potentially hazardous conditions have been eliminated or corrected by other methods to the satisfaction of the Public Works Superintendent and the Missouri Department of Natural Resources.

27.130. Assembly and Installation

1. Any backflow prevention assembly required to protect a facilities shall be of a model or construction approved by the Public Works Superintendent and the Missouri Department of Natural Resources.
  - a. Air gap separation to be approved shall be at least twice the diameter of the

- supply pipe, measured vertically above the top rim of the vessel, but in no case less than one inch.
- b. A double check valve assembly or a reduced pressure principle backflow prevention assembly shall be approved by the Public Works Superintendent, and shall appear on the current "list of approved backflow prevention assemblies" established by the Missouri Department of Natural Resources.
2. Existing backflow prevention assemblies approved by the Public Works Superintendent at the time of installation and properly maintained shall, except for inspection and maintenance requirements, be excluded from the requirements of this section so long as the Public Works Superintendent is assured that they will satisfactorily protect the water system. Whenever the existing assembly is moved from its present location, or requires more than minimum maintenance, or when the Public Works Superintendent finds that the maintenance constitutes a hazard to health, the unit shall be replaced by a backflow prevention assembly meeting the requirements of this chapter.
  3. Backflow prevention assemblies required by this chapter shall be installed at a location and in a manner approved by the Public Works Superintendent and shall be installed at the expense of the water consumer.
  4. Backflow prevention assemblies installed on the service line to the consumer's water system shall be located on the consumer's side of the water meter, as close to the meter as is reasonably practical, and prior to any other connection.
  5. Backflow prevention assemblies shall be located so as to be readily accessible for maintenance and testing, protected from freezing. No reduced pressure principle backflow prevention assembly shall be located where it will be submerged or subject to flooding by any fluid.

27.140. Inspection and Maintenance

1. It shall be the duty of the consumer at any premises on which backflow prevention assemblies required by this ordinance are installed to have inspection, tests, and overhauls made in accordance with the following schedule or more often where inspections indicate a need.
  - a. Air gap separations shall be inspected at the time of installation and at least every twelve months thereafter.
  - b. Double check valve assemblies shall be inspected and tested for tightness at the time of installation and at least every twelve months thereafter.
  - c. Reduced pressure principle backflow prevention assemblies shall be inspected and tested for tightness at the time of installation and at least every twelve months thereafter.
2. Inspections, tests, and overhauls of backflow prevention assemblies shall be made at

the expense of the water consumer and shall be performed by a State of Missouri certified backflow prevention assembly tester.

3. Whenever backflow prevention assemblies required by this ordinance are found to be defective, they shall be repaired or replaced at the expense of the consumer without delay.
4. The water consumer must maintain a complete record of each backflow prevention assembly from purchase to retirement. This shall include a comprehensive listing that includes a record of all tests, inspections, and repairs. Records of inspections, tests, repairs, and overhauls shall be made available to the Public Works Superintendent upon request.
5. Backflow prevention assemblies shall not be bypassed, made inoperative, removed, or otherwise made ineffective.

27.150. Violations

1. The Public Works Superintendent shall deny or discontinue, after reasonable notice to the occupants thereof, the water service to any premises wherein any backflow prevention assembly required by this ordinance is not installed, tested, and maintained in a manner acceptable to the Public Works Superintendent, or if it is found that the backflow prevention assembly has been removed or bypassed or if an unprotected cross connection exists on the premises.
2. Water service to such premises shall not be restored until the consumer has corrected or eliminated such conditions or defects in conformance with this ordinance to the satisfaction of the Public Works Superintendent.

Subchapter C--Sewer

27.160. Wastewater streams defined. There are hereby recognized two (2) classes of wastewater streams:

1. Residential and commercial properties which generate wastewater through the common use of water at point sources such as sinks, showers, bathtubs, toilets, washing machines and dishwashers.
2. Industrial facilities which generate wastewater from manufacturing and industrial production processes including the cleaning of said production processes. Industrial wastewater can include content and characteristics above residential and commercial wastewater such as solids, organics, colors, odors, temperature, pH, etc. that can be harmful to the municipal sewer system.

27.170. Use of public sewer required.

1. The owner of all houses, buildings, or properties used for human occupancy,

employment, recreation, or other purposes, situated within the City and abutting on any street, alley, or right of way in which there is now located or may in the future be located a public sanitary or combined sewer of the City, is hereby required at his expense to install suitable toilet facilities therein, and to connect such facilities directly with the proper public sewer in accordance with the provision of this ordinance, within ninety (90) days after date of official notice to do so, provided that said public sewer is provided to the property line.

2. It shall be unlawful for any person to place, deposit, or permit to be deposited in any unsanitary manner on public or private property within the City of Sarcoxie, or in any area under the jurisdiction of the City, any human or animal excrement, garbage or other objectionable waste.
3. It shall be unlawful to discharge to any natural outlet within the City of Sarcoxie, or in any area under the jurisdiction of the City, any sewage or other polluted wastes, except where suitable treatment has been provided in accordance with subsequent provisions of this ordinance, and upon approval of the Missouri Department of Natural Resources.
4. Except as hereinafter provided, it shall be unlawful to construct or maintain any privy, privy vault, septic tank, cesspool, or other facility intended or used for the disposal of sewage.

27.180. Private sewage disposal.

1. Where a public sanitary or combined sewer is not available under the provisions of the chapter, the building sewer shall be connected to a private sewage disposal system complying with the provisions of this article.
2. Before commencement of construction of a private sewage disposal system, the owner shall first obtain a written agreement signed by the owner and Public Works Superintendent stating the following:
  - a. Both parties agree connecting to the public sewer is not feasible at this time.
  - b. The owner agrees the type, capacities, location and layout of a private sewage disposal system shall comply with all recommendations of the Missouri Department of Natural Resources (MDNR) and any requirements of the Plumbing Code adopted by the City.
  - c. The owner shall operate and maintain the private sewage disposal systems in a sanitary manner at all times, at no expense to the City.
  - d. The owner agrees to connect to the public sewer system within 180 days of being notified by the City that a public sewer has become available to the property.
  - e. A direct connection shall be made to the public sewer, at no cost to the City, in compliance with this ordinance, and any septic tanks, cesspools, and similar private sewage disposal facilities shall be abandoned and filled with suitable material.

**27.190. New construction of sewers and connections.**

1. For the new construction of a sewer service line or a new connection in to a sewer main, the owner or his agent shall make application on a special form furnished by the City. The permit application shall be supplemented by any plans, specifications, or other information considered pertinent in the judgment of the Public Works Superintendent. A permit and inspection fee of \$50.00 shall be paid to the City at the time the application is filed.
2. No unauthorized person shall uncover, make any connections with or opening into, use, alter, or disturb any public sewer or appurtenance thereof without first obtaining a written permit from the Public Works Superintendent.
3. A separate and independent building sewer shall be provided for every building; except where one building stands at the rear or side of another on an interior lot and no private sewer is available or can be constructed to the rear building through an adjoining alley, court, yard, or driveway, the building sewer from the front building may be extended to the building and whole considered as one building sewer.
4. All costs and expenses incident to the installation and connection of the building sewer shall be borne by the owner. The owner shall indemnify the City from any loss or damage that may directly or indirectly be occasioned by the installation of the building sewer.
5. Whenever possible, the building sewer shall be brought to the building at an elevation below the basement floor. In all buildings in which any building drain is too low to permit gravity flow to the public sewer, sanitary sewage carried by such building drain shall be lifted by an approved means and discharged to the building sewer.
6. The Public Works Superintendent, or his designate, shall inspect the building sewer prior to being covered or backfilled. The owner, or his agent, must provide timely notice of when it will be ready for inspection and connection to the public sewer. The connection shall be made under the supervision of the Public Works Superintendent.
7. Old building sewers may be used in connection with new buildings only when they are found, on examination and test by the Public Works Superintendent to meet all requirements of this ordinance.
8. The size, slope, and alignment of a building sewer, and the methods to be used in excavating, placing of the pipe, jointing, testing, and backfilling the trench, shall all conform to the requirements of the building and plumbing code or other applicable rules and regulations of the City. The building sewer shall be ductile or cast iron, or polyvinyl chloride (PVC) having a wall thickness no less than that of SDR 35 class pipe. The connection of the building sewer into public sewer shall conform to the requirements of the building and plumbing code or other applicable rules and regulations of the City. All such connections shall be made gastight and watertight. Any deviation from the prescribed procedures and materials must be approved by the Public Works Superintendent before installation.
  - a. The slope should be a minimum of 1/8<sup>th</sup> inch per linear foot.
  - b. Bedding can be 3/4" clean or finer gravel a minimum of 2" deep.

- c. Backfill for non-street area: 3/4" clean or finer gravel a minimum of 2" deep above the top of the pipe. Spoil can be used to finish backfilling.
  - d. Backfill for street area: 1" base gravel to a minimum depth of 2" above the top of the pipe. Spoil is not to be used to finish backfilling an area to be concreted or asphalted.
  - e. For tapping in to the sewer main, a flexible tap saddle must be used. Using the top most position of the pipe as a reference point, the tap should be made between 0 and 45 degrees.
9. All excavations for building sewer installation shall be adequately guarded with barricades and lights so as to protect the public from hazard. Streets, sidewalks, parkways, and other public property disturbed in the course of the work shall be restored in a manner satisfactory to the City.

27.200. Restrictions on use of public sewers.

1. No person shall discharge or cause to be discharged any stormwater, surface water, groundwater, roof runoff or downspouts, subsurface drainage, including interior and exterior foundation drains, areaway drains, sump pumps, uncontaminated cooling water, or unpolluted industrial process waters to any building sewer or building drain which in turn is connected directly or indirectly to a public sewer.
2. Stormwater and all other unpolluted drainage shall be discharged to such sewers as are specifically designated as storm sewers, or to a natural outlet approved by the Public Works Superintendent and MDNR. Industrial cooling water of unpolluted process waters may be discharged, on approval of the Public Works Superintendent and MDNR, to a storm sewer or natural outlet.
3. No person shall discharge or cause to be discharged any of the following described waters or wastes to any public sewers:
  - a. Any liquids, solids, or gases which by reason of their nature or quantity are, or may be, sufficient either alone or by interaction with other substances to cause fire or explosion or be injurious in any other way to the sewage works or to the operation of the sewage works. At no time shall two (2) successive readings on an explosion hazard meter, at the point of discharge into the system (or at any point in the system), be more than five percent (5%) nor any single reading over ten percent (10%) of the Lower Explosive Limit (LEL) of the meter. Prohibited materials include, but are not limited to, gasoline, kerosene, naphtha, benzene, toluene, zylene, ethers, alcohols, ketones, aidehydes, peroxides, chlorates, perchlorates, bromates, carbides, hydrides and sulfides, and any other substances which the City, and MDNR, or the Environmental Protection Agency (EPA) has notified the user is a fire hazard or a hazard to the system.
  - b. Any waters or wastes containing toxic or poisonous solids, liquids, or gases in sufficient quantity, either singly or by interaction with other wastes, to injure or interfere with any sewage treatment process, to constitute a hazard to humans or animals, to create a public nuisance, to create any hazard in the receiving

- waters of the sewage treatment plant, or to exceed limitations set forth in a pretreatment standard, including, but not limited to cyanides in excess of two (2) mg/l as CN in the wastes as discharged to the public sewer. A toxic pollutant shall include, but not be limited to, any pollutant identified pursuant to Section 307(a) of the Act.
- c. Any waters or wastes having a pH lower than 6.5, or exceeding 9.0, or having any other corrosive property capable of causing damage or hazard to structures, equipment, and personnel of the sewage works.
  - d. Solid or viscous substances in quantities or of such size capable of causing obstruction to the flow in sewers, or other interference with the proper operation of the sewage works, such as, but not limited to, ashes, cinders, sand, mud, straw, shavings, metal, glass, rags, feathers, tar, plastics, wood, unground garbage, whole blood, paunch manure, hair and fleshings, entrails and paper dishes, cups, milk containers, etc., either whole or ground by garbage grinders.
  - e. Any waters or wastes having (a) a 5 day BOD greater than 300 parts per million by weight, or (b) containing more than 350 parts per million by weight of suspended solids, or (c) having an average daily flow greater than two (2%) percent of the average sewage flow of the City shall be subject to the review of the Public Works Superintendent. Where necessary in the opinion of the Public Works Superintendent, the owner shall provide, at his expense, such preliminary treatment as may be necessary to (a) reduce the biochemical oxygen demand to 300 parts per million by weight, or (b) reduce the suspended solids to 350 parts per million by weight, or (c) control the quantities and rates of discharge of such waters or wastes. Plans, specification, and any other pertinent information relating to proposed preliminary treatment facilities shall be submitted for the approval of the Public Works Superintendent and no construction of such facilities shall be commenced until said approvals are obtained in writing.
4. No person shall discharge or cause to be discharged the following described substances, materials, waters, or wastes if it appears likely in the opinion of the Public Works Superintendent that such wastes can harm either the sewers, sewage treatment plant, or equipment, cause the City to violate its NPDES permit, have an adverse effect on the receiving stream, or can otherwise endanger life, limb, public property, or constitute a nuisance. In forming his opinion as to the acceptability of these wastes, the Public Works Superintendent will give consideration to such factors as the quantities of subject wastes in relation to flows and velocities in the sewers, materials of construction of the sewers, nature of the sewage treatment process, capacity of the sewage treatment plant, degree of treatability of wastes in the sewage treatment plant, and other pertinent factors. The substances prohibited are:
- a. Any liquid or vapor having a temperature higher than one hundred fifty (150`F) (65`C) at the point before entering the public sewer, or any sewage having a temperature which will result in a waste with a temperature at the introduction into the sewage works which exceeds 104`F (40`C), or which would cause interference at the sewage treatment plant.

- b. Any water or waste containing fats, wax, grease, or oils, whether emulsified, or not, in excess of one hundred (100) mg/l or containing substances which may solidify or become viscous at temperatures between thirty two (32) and one hundred fifty (150) degrees F (0 and 65`C).
  - c. Any garbage that has not been properly shredded. The installation and operation of any garbage grinder equipped with a motor of three fourths (3/4ths) horsepower (0.76 hp metric) or greater shall be subject to the review and approval of the Public Works Superintendent.
  - d. Any waters or wastes containing strong acid iron pickling wastes, or concentrated plating solutions whether neutralized or not.
  - e. Any waters of wastes containing iron, chromium, copper, zinc, and similar objectionable or toxic substances; or wastes exerting an excessive chlorine requirement, to such degree that any such material received in the composite sewage at the sewage treatment works exceeds the limits established by the Public Works Superintendent for such materials.
  - f. Any waters or wastes containing phenols or other taste or odor producing substances, in such concentrations exceeding limits which may be established by the Public Works Superintendent as necessary, after treatment of the composite sewage, to meet the requirements of the state, federal, or other public agencies of jurisdiction for such discharge to the receiving waters.
  - g. Any radioactive wastes or isotopes of such half life or concentration as may exceed limits established by the Public Works Superintendent in compliance with applicable state or federal regulations.
  - h. Materials which exert or cause:
    - i. Unusual concentrations of inert suspended solids (such as, but not limited to, Fullers earth, lime slurries, and lime residues) or of dissolved solids (such as, but not limited to, sodium chloride and sodium sulfate).
    - ii. Excessive discoloration (such as, but not limited to, dye wastes and vegetable tanning solutions).
    - iii. Unusual BOD, chemical oxygen demand, or chlorine requirements in such quantities as to constitute a significant load on the sewage treatment works.
    - iv. Unusual volume of flow or concentration of wastes constituting "slugs" as defined herein.
    - v. Waters or wastes containing substances which are not amenable to treatment or reduction by the sewage treatment plant employed, or are amenable to treatment only to such degree that the sewage treatment plant effluent cannot meet the requirements of other agencies having jurisdiction over discharge to the receiving waters, such as NPDES permit requirements.
5. If any waters or wastes are discharged, or are proposed to be discharged into the

City's sewers which contain any quantity of substance in violation of the standards of pretreatment provided in Chapter 1, EPA Rules and Regulations, Subchapter D, Water Programs Part 403 Pretreatment Standards, Federal Register Volume 46, No. 18, Wednesday, January 26, 1981, and any amendments thereto, and which, in the judgment of the Public Works Superintendent may have a deleterious effect upon the sewage works, processes, equipment, or receiving waters, or which otherwise may create hazard to life or constitute a public nuisance, the Public Works Superintendent may:

- a. Reject the wastes, or;
  - b. Require, at the owner's expense, pretreatment facilities to reduce objectionable characteristics or constituents to within the maximum limits provided for in Paragraph d. of this Section and/or federal or state pretreatment standards, and/or;
  - c. Require control over the quantities and rates of discharge, by developing discharge limitations, and/or;
  - d. Require payment to cover the added cost of handling and treating the wastes not covered by existing taxes or sewer charges under the provisions of Paragraph J of this Section.
6. If the Public Works Superintendent permits the pretreatment or equalization of waste flows, the design and installation of the plans and equipment shall be subject to the review and approval of the Public Works Superintendent, and subject to the requirements of all applicable codes, ordinances, and laws.
- a. Grease, oil, and sand interceptors shall be provided when, in the opinion of the Public Works Superintendent, they are necessary for the proper handling of liquid wastes containing grease in excessive amounts, or any flammable wastes, sand, or other harmful ingredients; except that such interceptors shall not be required for private living quarters or dwelling units. All interceptors shall be of a type and capacity approved by the Public Works Superintendent, and shall be located so as to be readily and easily accessible for cleaning and inspection.
  - b. Where preliminary treatment or flow equalizing facilities are provided for any waters or wastes, they shall be maintained continuously in satisfactory and effective operation by the owner at his expense.
  - c. When required by the Public Works Superintendent, the owner of any property serviced by a building sewer carrying industrial wastes shall install a suitable control manhole together with such necessary meters and other appurtenances in the building sewer to facilitate observation, sampling, and measurement of the wastes. Such manhole, when required, shall be accessible and safely located, and shall be constructed in accordance with plans approved by the Public Works Superintendent. The manhole shall be installed by the owner at his expense, and shall be maintained by him so as to be safe and accessible at all times.
  - d. All measurements, tests, and analyses of the characteristics of water and

wastes to which reference is made in this ordinance shall be determined in accordance with the latest edition of "Standard Methods for the Examination of Water and Wastewater", published jointly by the American Public Health Association, the American Water Works Association, and the Water Pollution Control Federation, and shall be determined at the control manhole provided, or upon suitable samples taken at said control manhole. In the event that no special manhole has been required, the control manhole shall be considered to be the nearest downstream manhole in the public sewer to the point at which the building sewer is connected. Sampling shall be carried out by customarily accepted methods to reflect the effect of constituents upon the sewage works and to determine the existence of hazards to life, limb, and property.

- e. No statement contained in this article shall be construed as preventing any special agreement or arrangement between the City and any industrial concern whereby an industrial waste of unusual strength or character may be accepted by the City for treatment, subject to payment, therefore, by the industrial concern.

27.210. Pretreatment. Users shall provide necessary wastewater treatment as required to comply with all federal Categorical Pretreatment Standards within the time limitations as specified by the Federal Pretreatment Regulations. Any state requirements and limitation on discharges shall apply to any case where they are more stringent than federal requirements and limitations. Any facilities required to pretreat wastewater to a level acceptable to the City shall be provided, operated, and maintained at the user's expense. Detailed plans showing the pretreatment facilities and operating procedures shall be submitted to the City for review, and shall be acceptable to the City before construction of the facility. The review of such plans and operating procedures will in no way relieve the user from the responsibility of modifying the facility as necessary to produce an effluent meeting Federal categorical pretreatment standards. Any subsequent changes in the pretreatment facilities or method of operation shall be reported to and be acceptable to the City prior to the user's initiation of the changes.

27.220. Protection from damage. No unauthorized person shall maliciously willfully, or negligently break, damage, destroy, uncover, deface, or tamper with any structure, appurtenance, or equipment which is a part of the sewage works.

27.230 Backwater Valves. Where plumbing fixtures are installed with a finished floor elevation below the elevation of the next upstream manhole in the public sewer, such fixtures shall be protected by a backwater valve installed in the building drain, or horizontal branch serving such fixtures. Plumbing fixtures installed on a floor with a finished floor elevation above the elevation of the manhole cover of the next upstream manhole in public sewer shall not discharge through a backwater valve.

1. Exception: In existing buildings, fixtures above the elevation of the manhole cover of the next upstream manhole in the public sewer shall not be prohibited from discharging through a backwater valve.

2. Backwater valves shall comply with ASME A112.14.1, CSA B181.1 or CSA B181.2
3. Backwater valves shall be installed so that access is provided to the working parts.

27.240. Powers and authority of inspectors.

1. The Public Works Superintendent, or their representatives shall have no authority to inquire into any processes including metallurgical, chemical, oil, refining, ceramic, paper, or other industries beyond that point having a direct bearing on the kind and source of discharge to the sewers or waterways or facilities for water treatment.
2. While performing the necessary work on private properties referred to in this chapter, the Public Works Superintendent, or duly authorized employees of the City, shall observe all safety rules applicable to the premises established by the company and the company shall be held harmless for injury or death to City employees. The City shall indemnify the company against loss or damage to its property by City employees and against liability claims and demands for personal injury or property damage asserted against the company and growing out of the gauging and sampling operation, except as such may be caused by negligence or failure of the company to maintain safe conditions.

27.250. Penalties.

1. Any person found to be violating any provision of this ordinance shall be served by the City with written notice stating the nature of the violation and providing a reasonable time limit for the satisfactory correction thereof. The offender shall, within the period of time stated in such notice, permanently cease all violations.
2. Any person who shall continue any violation beyond the time limit provided above, shall be guilty of a misdemeanor, and on conviction thereof, shall be fined in the amount not exceeding \$25.00 for each violation. Each day in which any such violations shall continue shall be deemed a separate offense.
3. Any person violating any of the provisions of this ordinance shall become liable to the City for any expense, loss, or damage occasioned the City by reason of such violation.

Subchapter D--Rates & Fees

27.260. Water and Sewer use charge.

1. It is determined and declared to be necessary and conducive to the protection of the public health, safety, welfare and convenience of the City to collect charges from all users of the City's water and sewer systems. The proceeds of such charges so derived will be used for the purpose of operating and maintaining these systems.
2. User charge system.
  - a. The user charge systems shall generate adequate annual revenues to pay costs of annual operation and maintenance including replacement which the City may

- by ordinance designate to be paid by the user charge system. That portion of the total user charge which is designated for operation and maintenance, including replacement, shall be established by this ordinance.
- b. That portion of the total user charge collected which is designated for operation and maintenance, including replacement purposes, shall be deposited in separate non-lapsing fund known as the Operation, Maintenance, and Replacement Fund, and will be kept in two (2) primary accounts as follows:
    - i. An account designated for the specific purpose of defraying operation and maintenance costs (excluding replacement) of the treatment works (Operation and Maintenance Account).
    - ii. An account designated for the specific purpose of ensuring replacement needs over the useful life of the treatment works (Replacement Account). Deposits in the replacement account shall be made at least annually from the operation, maintenance, and replacement revenue in the amount of \$2,200.00 annually.
  - c. Fiscal year-end balances in the operation and maintenance account and the replacement account shall be carried over to the same accounts in the subsequent fiscal year, and shall be used for no other purposes than those designated for these accounts. Monies which have been transferred from other sources to meet temporary shortages in the operation, maintenance, and replacement fund shall be returned to their respective accounts upon appropriate adjustments of the user charge rates for operation, maintenance, and replacement. The user charge rate shall be adjusted such that the transferred monies will be returned to their respective accounts within the fiscal year following the fiscal year in which the monies were borrowed.
3. User to pay proportionate share.
- a. Each user shall pay for the services provided by the City based on his use of the water and sewer systems as determined by water meters acceptable to the City.
  - b. For residential contributors, monthly user charges will be based on water used during the current month, as recorded by the residential water meter.
  - c. For industrial and commercial contributors, user charges shall be based on water used during the current month. If a commercial or industrial contributor has a consumptive use of water, or in some other manner uses water which is not returned to the wastewater collection system, the user charge for that contributor may be based on a wastewater meter or a separate water meter installed and maintained at the contributor's expense, and in a manner acceptable to the City.
  - d. For those users who contribute wastewater, the strength of which is greater than normal domestic sewage, a surcharge in addition to the normal user charge will be collected at a rate recommended by the Public Works Superintendent and approved by the Board of Aldermen. This surcharge will be placed in the Operation and Maintenance, and Replacement accounts.
  - e. Any user who discharges any toxic pollutants which cause an increase in the cost

of managing the effluent or the sludge from the City's treatment works, or any user who discharges any substance which singly or by interaction with other substances causes identifiable increases in the cost of operation, maintenance, or replacement of the treatment works, shall pay for such increased costs. The charge to each user shall be as determined by the Public Works Superintendent and approved by the Board of Aldermen.

27.270. Deposit Required.

1. All persons or firms desiring to obtain water and sewer access shall submit an application and post a deposit to the City Collector. Application and deposit shall be required for every installation before a connection can be made to the combined system. There shall be two levels of deposits specified in the City's Rate Sheet:
  - a. Industrial, commercial, and owner-occupied residential applicants;
  - b. Rental-occupied residential applicants.
2. The City Collector shall retain such deposits until termination of service, or for five (5) years from the submission date of the application, whichever first occurs, provided that all charges for services have been paid.
3. The City Collector shall keep a file and record of all deposits to show the date of deposit, consumer name, address, and refunds.
  - a. All monies received as deposits for water service shall be held in the City Water Meter Deposit Fund. This fund is reserved and only may be used for deposit refunds or to close out water and sewer accounts.

27.280. Monthly billing. All water meters shall be read and bills for water and sewer shall be rendered monthly as such service accrues. Billings for any particular month shall be prepared, by the City Collector, prior to the end of the month and no later than five (5) days after the end of the month. Payments are due when the billings are made. Any payment not received within thirty (30) days after the billing is made shall be deemed delinquent.

1. Residential Trash is added to the monthly bill at a rate noted in the Rate Sheet.
2. A late payment penalty of \$5.00 will be added to each delinquent bill for each thirty (30) days of delinquency.

27.290. Delinquent bills. If any bill for water service shall be and remain past due and unpaid for as long as thirty (30) days, service to such customer can be discontinued and shall not be reconnected until all past due bills are paid in full, together with a reconnection charge as established in the Rate Sheet.

27.300. Water rate. The monthly rates which shall be charged are approved by the Board of Aldermen and posted in the Rate Sheet. Total rate is based on the following:

1. A minimum charge for the first 2,000 gallons or fraction thereof.

2. A set rate per every 1000 gallons thereafter.

27.310. Sewer Rate The monthly rates which shall be charged are approved by the Board of Aldermen and posted in the Rate Sheet. Total rate is based on the following:

1. A minimum charge for the first 2,000 gallons or fraction thereof.
2. A set rate per every 1000 gallons thereafter.

27.320. Summer Sewer Rate Program. The intent of this program is to protect residents from paying sewer charges for services they are not using because water is not being treated by the City.

- a. In order to participate in this program, the sewer user will need to make an application on forms as approved and provided by the City Collector. The City Collector is given the discretion to approve or disapprove applicants for this program. Applicants who are not approved may appeal the decision of the Collector to the Board of Aldermen at its next regular meeting. The decision of the Board shall be final.
- b. Approved applicants will have sewer use charges averaged on the monthly usage from September through April. This monthly average will be used for charges generated for the months of May, June, July, and August, regardless of what actual water usage is for each of these months.
- c. Participants of this program shall comply with other Ordinances, including Chapter 65, Weeds, and Chapter 74, Nuisances, and must not be delinquent on any sewer and water charges or any other charges for services or fees, or tax levied by the City of Sarcoxie.
- d. Applicants shall continue to pay all water charges for water utilized during the summer months”.

27.330. Rate Review.

1. To account for inflation and increased operating costs, the monthly water and sewer rates shall be automatically increased by up to 3% effective on usage beginning in January of each year.
2. In addition, the City shall review the user charge system annually and revise user charge rates as necessary to insure the system generates adequate revenue to pay the costs of operation, including replacement, and that the system continues to provide for the proportional distribution cost of operation and maintenance, including replacement, among users and user classes. The user charge system must generate sufficient revenue for this purpose, and in no circumstance shall the City fail to bill and recover sufficient revenue to cover the cost of operation, maintenance, and replacement of the combined system. At no time shall an automatic increase result in a surplus in the combined water and sewer systems.
3. The City shall notify users at least annually, in conjunction with a regular bill, of the rate

being charged for operation and maintenance, including replacement of the treatment works.

27.340. Occupant and Users or Others Claiming an Interest in Property Jointly and Severally Liable. All occupants and users, receiving water and/or sewer services, and the owner of the premises and all those who claim an interest in the premises by way of mortgage, deed of trust, lien or other charge or encumbrances, shall be jointly and severally liable to pay for such services rendered on said premises. The City shall have the power to sue the occupant, owner or other individuals named herein, or all of them or each of them, or others who claim an interest in the real estate in a civil action to receive all sums due for services, plus a reasonable attorney's fee to be affixed by the Court. In addition, the services as provided shall be deemed to be a special benefit to the property in question and the city may file a lien with the Recorder of Deeds in the amount of such services, plus costs and reasonable attorney's fees. In the event the City fails to file a lien with the Recorder of Deeds, then such services shall still be deemed to be provided for the benefit of all owners, occupiers, and those other individuals or entities that claim an interest in the premises; however, no attorney's fees shall be recoverable for those other than the owner or occupant or users of such services. No water or sewer service shall be provided to any user, occupant, or owner, or those other individuals or entities who claim an interest in the premises to and until satisfactory arrangements are made for the payment of any water and/or sewer bill any other premises in the City of Sarcoxie.

27.350. Posting of Notice of Non-Payment. In addition to all other remedies and procedures enacted by the City regarding the collection of unpaid utility charges, the City may post a notice upon the front door of any residence or business in the City that is delinquent in the payment of any such charges as follows:

'This property has an unpaid utility bill with the City of Sarcoxie. The outstanding debt, including any penalties, and interest, must be paid before water, sewer and/or trash services can be restored at this property.'

No person shall remove a notice so posted and any person who does remove such notice without the authority to do so, shall be guilty of a misdemeanor.

### Subchapter E--Streets and Sidewalks

#### Part I--Street Grades

27.360. Record of established grades. All grades of the streets and alleys of the City shall be established by recording the elevation at the intersection of the streets and alleys. Such information shall be reported to the Public Work Superintendent and maintained by the City Engineer.

27.370. Benchmark datum elevation and location. The datum elevation of the City of Sarcoxie is 100 feet, and the benchmark bearing the datum of the grade of the elevation is located near the intersection of Fifth and Cross Streets at the northwest corner and consists

of a hewed block of limestone set in the sidewalk and having a flat top surface in which are cut the words:

U.S.C.&G. Survey of 1894  
U.S.  
O.  
B.M.  
ALTITUDE ABOVE GULF OF MEXICO 1088 FEET

The exact point of such surface of said bench, marking the exact datum, is designated by the character "O" (O) cut in said bench.

27.380. All elevation of grades from bench. All elevations of grades shall be established from the bench bearing the grade datum of the City, and no other bench shall be used unless it shall have been permanently located and established from the datum bench, and its locality and description be found recorded as provided above.

27.390. Street intersections. All the crossings at any intersection of streets embracing full width of sidewalk thereof shall be of uniform elevation, except when otherwise provided and whenever it shall be deemed expedient not to bring all the corners of any intersection to the same elevation, then the elevation of each corner at any such section shall be given.

27.400. Grades to extend unbroken. All grades shall extend in unbroken uniformity from intersection to intersection except when otherwise provided by ordinance, and whenever the grade of any street is broken between intersections, the elevation at such break shall be given together with the exact distance thereof from one or the other relative intersections.

27.410. Engineer shall make return to council. The City Engineer or any person acting as such by order of the Board shall make returns to the Board of all work ordered to be done by him, certifying to the correctness of the same, and he shall designate in said return and certificate the bench from which he started, and after said certificate and return have been passed upon by the board, they shall be recorded as provided above.

#### Part II--Obstruction in Streets

27.420. Poles in streets. Any telephone, cable, or electric light company placing their poles in the streets or alleys in the City of Sarcoxie shall do so subject to the provisions of this article, and such other provisions as may be now or hereafter required by ordinance or by their franchise.

27.430. When alley to be used. Whenever in the judgment of the Board of Alderman, the use of any alley for such purposes is practicable, the poles of such company shall be placed upon and along said alley instead of along and upon the street paralleled thereto. When said poles are set in any alley they shall be placed as near the side line of such alley as practicable, and in such manner as not to inconvenience the public or the adjoining

property owners or residents.

27.440. Kinds of poles. The poles used, as herein provided, shall be of steel or good sound timber, not less than five (5) inches in diameter at the upper end, straight, shapely, of uniform size, neatly planed or shaved.

27.450. Utility Wire Height Above Streets. All wires strung upon such poles shall be run at a height of not less than twenty (20) feet above the grade of the street.

27.460. How erected. Whenever such poles are erected upon any street or avenue, they shall be placed, in all cases when practicable, on the outer edge of the sidewalk just inside of the curbstone, and on the line dividing the buildings one from the other, and in no case to be placed so as to obstruct the drainage of the street or injure or damage in any way the curbstones or other public or private property on the line of the said street or alley where said poles are located.

27.470. Plan of route. Before any public utility company shall hereafter erect any poles upon any street or alley of the City, they shall submit for approval to the Board of Alderman the route of their proposed line, stating the name of the street or streets or avenue to be used, or if an alley the name thereof, and if not named, otherwise describing it so that the Board shall know the alley intended to be used, and as far as required by the Board, shall name the location of each pole. If found to be in compliance with the provisions herein, the Public Work Superintendent shall immediately issue a permit to such company to erect its line in this City.

27.480. Restoring pavement. All work of excavating, refilling and restoring the pavement shall be done under the supervision of the Public Work Superintendent, and in all cases the pavement shall be restored as soon as possible, and to the same condition at it was before, at the expense of the company removing the same.

27.490. Shall not permit poles to lie in street. No public utility company shall, while engaged in erecting their poles along or across any street or alley in the City, permit any of their poles to lie upon any such street or alley for a longer time than necessary; but shall only bring such poles upon the streets when ready to place them in their intended positions.

27.500. Misdemeanor, when. If any public utility company shall hereafter erect any pole or poles upon any of the streets or alleys of the City without submitting to the council the said route of their proposed line, and obtaining the approval of the council therefore, or if the pole or poles be erected, or any wire be strung upon any poles in violation of any of the provisions of this chapter, said public utility company, their agents, servants and employees, or any person so erecting shall be deemed guilty of a misdemeanor and punished by a fine of not less than One and No/100 (\$1.00) Dollar nor more than One Hundred and No/100 (\$100.00) Dollars.

### Part III--Sidewalks

27.510. Repair. It shall be the duty of the property owners, owning property along and in front of which sidewalks may have been or may hereafter be constructed, to keep such sidewalks in good repair at all times, and upon failure to keep said sidewalks repaired, such sidewalks may be repaired by the City, and the cost of such repairs shall be assessed as a special tax against the property abutting thereon.

27.520. Inspection of sidewalks. It shall be the duty of the Public Works Superintendent immediately to inspect any portion of any sidewalk, upon being notified by any citizen that any portion is in need of repair. If the Superintendent finds any sidewalk out of repair, it shall be his duty to immediately serve notice in writing upon the owner or owners of the property abutting thereon, to proceed to repair such portion of said sidewalk. If such property owner shall fail, neglect or refuse to make such necessary repairs within a reasonable time from the serving of said notice, then the Superintendent shall proceed to make such repairs, keeping an accurate account of the amount expended for labor and materials, and shall present the same in writing to the Board of Aldermen.

27.530. Penalty. Any person, company, or corporation upon whom an order hereinabove provided for, shall be served for the construction or reconstruction of any sidewalk, or upon whom the notice shall be served by the Public Works Superintendent to make necessary repairs, as herein provided, who shall fail, neglect or refuse to comply with said order or notice within the time fixed by the Board of Aldermen or by ordinance therefore, shall be deemed guilty of a misdemeanor, and upon conviction, shall be punished by a fine of not less than Five and No/100 (\$5.00) Dollars nor more than One Hundred and No/100 (\$100.00) Dollars for each and every offense.

27.540. Same; separate bills. Separate tax bills shall be issued against each lot or tract of land against which an assessment has been levied, and shall state therein the name of the owner of said lot or tract, the number of front feet therein abutting on the improvement, the different items of the improvement, and the total cost thereof, and shall be made payable to the City of Sarcoxie. Said special tax bills shall be due in thirty (30) days after the date of issue thereof and shall bear interest after said thirty (30) days at the rate of eight (8%) percent per annum until paid. All tax bills shall be signed by the Mayor and attested by the City Clerk under the seal of the City of Sarcoxie.

27.550. Permit required for private construction. Any person desiring to construct or reconstruct any sidewalk before and without being ordered to do so by the Board of Aldermen, as herein provided, shall, before commencing the work, apply to and obtain from the City Clerk a permit therefore, which permit shall be in writing, and shall specify at time within which said work shall be completed and said sidewalk shall be constructed or reconstructed out of the materials, and in accordance with the plans and specifications prescribed by the ordinances of the City for the building of sidewalks, and shall be constructed under the supervision of the Public Works Superintendent.

#### Subchapter F--Street Excavations

27.560. Permit required. It shall hereafter be unlawful for any property owner, or

agent, or employee to make a water or sewer connection in the City of Sarcoxie without first obtaining a permit from the City Clerk and making payment therefore as follows:

1. Where excavation in street is required for water or sewer connection and repair \$100 providing contractor in good standing.
2. Where excavation in street is required for water or sewer connection and repair \$500 providing contractor not in good standing. Not in good standing is defined as:
  - a. contractor does not have a current business license recorded with the City, and or;
  - b. contractor has failed to meet the standards noted in Excavation Repair.

27.570. Excavation Repair. Any repair of street excavation shall be made under the supervision of the Public Works Superintendent and meet the following minimum requirements:

1. Backfill must be a maximum of 1" base gravel. Spoil is not to be used to finish backfilling an area to be concreted or asphalted.
2. Backfill must be adequately compacted.
3. Must be patched with concrete of a minimum psi of 4,500 and a thickness of 6 to 8".

27.580. Work to proceed. The work or excavation authorized by the permit herein provided shall be completed within thirty (30) days of the date of issuance of permit, and provided, further, no ditch or excavation so made shall be left open for more than forty-eight (48) hours and at all times shall be protected adequately with barricades and lights.

27.590. Minimum penalty. Any person doing any work without complying with all the provisions of this Ordinance shall be deemed guilty of a misdemeanor and upon conviction thereof shall be penalized as provided in Chapter 13 of the City Code.

27.600. Fees into street fund. Permit fees paid to the City Clerk under the provisions of this Ordinance shall be credited to the account of the Street Department.

#### Subchapter G—Enforcement

27.610. Applicability. This ordinance shall apply to the City of Sarcoxie, Missouri, and to persons outside the City who are, by contract or agreement with the City, users of the City's combined system. Except as otherwise provided within this ordinance, the Public Works Superintendent shall administer, implement and enforce the provisions of this ordinance.

27.620. Validity.

1. The invalidity of any section, clause, sentence, or provision of this ordinance shall not affect the validity of any other part of this ordinance which can be given effect without such invalid part or parts.
2. All ordinances or parts of ordinances in conflict herewith are hereby repealed.

**APPENDIX A****DEFINITIONS**

1. "Act" or "the Act" shall mean the Federal Water Pollution Control Act, also known as the Clean Water Act, as amended, 33 U.S.C. 1251, et seq.
2. "Backflow" means the flow other than the intended direction of flow, of any foreign liquids, gases or substances into the distribution system of a public water supply.
3. "BOD" (denoting Biochemical Oxygen Demand) shall mean the quantity of oxygen utilized in the biochemical oxidation of organic matter under standard laboratory procedure in five (5) days at 20`C, expressed in milligrams per liter. The test procedure shall not utilize inhibitors.
4. "Building Drain" shall mean that part of the lowest horizontal piping of a drainage system which receives the discharge from soil, waste, and other drainage pipes inside the walls of the building and conveys it to the building sewer, beginning five (5) feet (1.5 meters) outside the inner face of the building wall.
5. "City" shall mean THE CITY OF SARCOXIE, MISSOURI.
6. "Cooling Water" shall mean the water discharged from any use such as air conditioning, cooling or refrigeration, or to which the pollutant added is heat.
7. "Consumer" means the owner or person in control of any premises supplied by or in any manner connected to a public water system.
8. "Cross connection" means any physical link between a potable water supply and any other substance, fluid or source which makes possible contamination of the potable water supply due to the reversal of flow of the water in the piping or distribution system.
9. "Direct Discharges" shall mean the discharge of treated or untreated sewage directly to the waters of the State of Missouri.
10. "Garbage" shall mean solid wastes from the domestic and commercial preparation, cooking, and dispensing of foods, and from the handling, storage, and sale of produce.
11. "Industrial Wastes" shall mean the liquid wastes from industrial manufacturing processes, trade, or business as distinct from sanitary sewage.
12. "Interference" shall mean the inhibition or disruption of the POTW treatment processes or operations which causes or significantly contributes to a violation of any requirement of the City's NPDES Permit.
13. "Natural Outlet" shall mean any outlet into a watercourse, pond, ditch, lake or other body of surface or groundwater.
14. "Normal Domestic Wastewater" shall mean wastewater that has a BOD concentration of not more than 250 mg/l and a suspended solids concentration of not more than 300 mg/l.
15. "Operation and Maintenance" shall mean all expenditures during the useful life of the treatment works for materials, labor, utilities, billing, equipment replacement, and other items which are necessary for managing and maintaining the sewage works to achieve

- the capacity and performance for which such works were designed and constructed.
16. "pH" shall mean the logarithm of the reciprocal of the weight of hydrogen ions in grams per liter of solution.
  17. "ppm" shall mean parts per million, the concentration of a material in pounds per million pounds of water (1 ppm = 1 milligram/liter, mg/l).
  18. "Person" shall mean any individual, firm, company, association, society, corporation, or group.
  19. "Pollutant" shall mean any dredged soil, solid waste, incinerator residue, sewage, garbage, sewage sludge, munitions, chemical wastes, biological materials, radioactive materials, heat, wrecked or discharged equipment, rock, sand, cellar dirt, and industrial, municipal, and agricultural waste discharged into sanitary sewers.
  20. "Properly Shredded Garbage" shall mean the wastes from the preparation, cooking and dispensing of food that have been shredded to such a degree that all particles will be carried freely under the flow conditions normally prevailing in public sewers, with no particle greater than one half (1/2) inch (1.27 centimeters) in any dimension.
  21. "Public potable water system" means any publicly or privately owned water system supplying water to the general public which is satisfactory for drinking, culinary and domestic purposes and meets the requirements of the Missouri Department of Natural Resources.
  22. "Public Sewer" shall mean a sewer in which all owners of abutting properties have equal rights, and is controlled by control authority.
  23. "Receiving Stream" shall mean any natural watercourse into which water, treatment plant effluent, combined sewer overflow or storm water is discharged.
  24. "Replacement" shall mean expenditures for obtaining and installing equipment, accessories, or appurtenances which are necessary during the useful life of the treatment works to maintain the capacity and performance for which such works were designed and constructed. The term "operation and maintenance" includes replacement.
  25. "Residential Contributor" shall mean any contributor to the City's treatment works whose lot, parcel of real estate, or building is used for domestic dwelling purposes only.
  26. "Sanitary Sewer" shall mean a sewer which carries sewage and to which storm, surface, and groundwaters are not intentionally admitted.
  27. "Sewage" shall mean a combination of the water carried wastes from residences, business buildings, institutions, and industrial establishments, together with such ground, surface, and stormwaters as may be present.
  28. "Sewage Treatment Plant" shall mean any arrangement of devices and structures used for treating sewage.
  29. "Sewage Works" shall mean all facilities for collecting, pumping, treating, and disposing of sewage.
  30. "Sewer" shall mean a pipe or conduit for carrying sewage.

31. "Shall" is mandatory; "May" is permissive.
32. "Slug" shall mean any discharge of water, sewage, or industrial waste which in concentration of any given constituent or in quantity of flow exceeds for any period of duration longer than fifteen (15) minutes more than five (5) times the average twenty four (24) hour concentration or flows during normal operation.
33. "Storm Drain" (sometimes termed "storm sewer") shall mean a sewer which carries storm and surface waters and drainage, but excludes sewage and industrial wastes, other than unpolluted cooling water.
34. "Storm sewer" shall mean a sewer which carries storm and service waters and drainage, but excludes wastes or sewage and industrial waste, other than non-contract cooling water.
35. "Superintendent" shall mean the Superintendent of the Wastewater Treatment Plant of the City of Sarcoxie, or his authorized deputy, agent, or representative.
36. "Suspended Solids" (SS) shall mean solids that either float on the surface of, or are in suspension in water, sewage, or other liquids, and which are removable by laboratory filtering.
37. "Treatment Works" shall mean any devices or systems for the storage, treatment, recycling, and reclamation of municipal sewage, domestic sewage, or liquid industrial wastes. These include intercepting sewers, outfall sewers, sewage collection systems, individual systems, pumping, power, and other equipment and their appurtenances; extensions, improvement, remodeling, additions or alterations thereof; elements essential to provide a reliable recycled supply such as standby treatment units and clear well facilities; and any works, including site acquisition of the land that will be an integral part of the treatment process or is used for ultimate disposal of residues resulting from such treatment (including land for composting sludge, temporary storage of such compost, and land used for the storage of treated wastewater in land treatment systems before land application); or any other method or system for preventing, abating, reducing, storing, treating, separating, or disposing of municipal waste or industrial waste, including waste in combined storm water and sanitary sewer systems.
38. "Useful Life" shall mean the estimated period which a treatment works will be operated.
39. "User Charge" shall mean that portion of the total wastewater service charge which is levied in a proportional and adequate manner for the cost of operation, maintenance, and replacement of the wastewater treatment works.
40. "Water Meter" shall mean a water volume measuring and recording device, furnished and/or installed and approved by the City of Sarcoxie.
41. "Watercourse" shall mean a channel in which a flow of water occurs, either continuously or intermittently.

**APPENDIX B****TYPES OF FACILITIES REPRESENTING CROSS CONNECTION HAZARDS**

1. Potable water dispensing stations which are served by a public water system;
2. Car washes;
3. Commercial laundries and dye works;
4. Sewage, storm water and industrial waste treatment plants and pumping stations;
5. Fire sprinkler systems using any chemical additives;
6. Irrigation systems with facilities for injection of pesticides, herbicides or other chemicals or with provisions for creating back pressure;
7. Facilities which have pumped or repressurized cooling or heating systems that are served by a public water system, including all boiler systems.
8. Chemical, biological and radiological laboratories including those in high schools, trade schools, colleges, universities and research institutions;
9. Hospitals, clinics, medical buildings, autopsy facilities, morgues, mortuaries and other medical facilities;
10. Plants manufacturing, refining, compounding or processing fertilizer, film, herbicides, natural or synthetic rubber, pesticides, petroleum or petroleum products, pharmaceuticals, radiological materials or any chemical which would be a contaminant to the public water system;
11. Commercial facilities that use herbicides, pesticides, fertilizers or any chemical which would be a contaminant to the public water system;
12. Aircraft and missile manufacturing plants;
13. Automotive plants including those plants which manufacture motorcycles, automobiles, trucks, recreational vehicles and construction and agricultural equipment;
14. Beverage bottling plants including dairies and breweries;
15. Canneries, packing houses and reduction plants;
16. Metal or plastic manufacturing, fabrication, cleaning, plating or processing facilities;
17. Plants manufacturing paper and paper products;
18. Plants processing, blending or refining animal, vegetable or mineral oils;
19. Waterfront facilities including piers, docks, marinas and shipyards;
20. Industrial facilities which recycle water;
21. Restricted or classified facilities or other facilities closed to the supplier of water or the department;
22. Auxiliary water systems;
23. Portable tanks for transporting water taken from a public water system; and