

TITLE 18**WATER AND SEWERS¹****CHAPTER**

1. WATER AND SEWER ADMINISTRATION.
2. WASTEWATER COLLECTION AND TREATMENT.
3. REGULATIONS GOVERNING PUBLIC AND PRIVATE SEWAGE DISPOSAL.
4. CROSS CONNECTIONS, AUXILIARY INTAKES, ETC.

CHAPTER 1**WATER AND SEWER ADMINISTRATION****SECTION**

- 18-101. Rates and charges.
18-102. Water fluoridation.

18-101. Rates and charges. The water and sewer system shall be supervised and controlled by the board of councilmen. All water and sewer service shall be furnished according to schedules setting rates, tap on fees and other charges as the city council may from time to time adopt. (1995 Code, § 18-103, modified)

18-102. Water fluoridation. The Water Department of the City of McKenzie is hereby authorized and instructed to make plans for the fluoridation of the water supply of the city, to submit such plans to the Department of Environment and Conservation of the State of Tennessee for approval, and upon approval to add such chemicals as fluoride to the water supply, in accord with such approval, as will adequately provide for the fluoridation of the water supply.

The cost of such fluoridation shall be borne by the revenues of the water department of the City of McKenzie. (1995 Code, § 18-104, modified)

¹Municipal code reference
Refuse disposal: title 17.

CHAPTER 2**WASTEWATER COLLECTION AND TREATMENT****SECTION**

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18-201. Purpose and policy. (1) This chapter sets forth uniform requirements for direct and indirect contributors into the wastewater collection and treatment system for the City of McKenzie and enables the city to comply with all applicable state and federal laws required by the Clean Water Act of 1977 and the General Pretreatment Regulations (40 C.F.R., part 403).

(2) The objectives of this chapter are:

(a) To prevent the introduction of pollutants into the municipal wastewater system which will interfere with the operation of the system or contaminate the resulting sludge;

(b) To prevent the introduction of pollutants into the municipal wastewater system which will pass through the system, inadequately treated, into receiving waters or the atmosphere or otherwise be incompatible with the system;

(c) To improve the opportunity to recycle and reclaim wastewaters and sludges from the system; and

(d) To provide for equitable distribution of the cost of the municipal wastewater system.

(3) This chapter provides for the regulation of direct and indirect contributors to the municipal wastewater system through the issuance of permits to certain non-domestic users and through enforcement of general requirements for the other users, authorizes monitoring and enforcement activities, requires user reporting, assumes that existing customer's capacity will not be preempted, and provides for the setting of fees for the equitable distribution of costs resulting from the program established herein.

(4) This chapter shall apply to the City of McKenzie and to persons outside the city who are, by contract or agreement with the city, users of the city POTW. Except as otherwise provided herein, the superintendent of the city POTW shall administer, implement, and enforce the provisions of this chapter. (1995 Code, 18-201)

18-202. Definitions. Unless the context specifically indicates otherwise, the following terms and phrases, as used in this chapter, shall have the meanings hereinafter designated:

(1) "Act" or "the Act." The Federal Water Pollution Control Act, also known as the Clean Water Act, as amended 33 U.S.C. 1251, *et seq.*

(2) "Approval authority." The director in an NPDES state with an approved state pretreatment program and the administrator of the EPA in a non-NPDES state or NPDES state without an approved state pretreatment program.

(3) "Authorized representative of industrial user." An authorized representative of an industrial user may be:

(a) A principal executive officer of at least the level of vice-president, if the industrial user is a corporation;

(b) A general partner or proprietor if the industrial user is a partnership or proprietorship, respectively;

(c) A duly authorized representative of the individual designated above if such representative is responsible for the overall operation of the facilities from which the indirect discharge originates.

(4) "Biochemical Oxygen Demand (BOD)." The quantity of oxygen utilized in the biochemical oxidation of organic matter under standard laboratory procedure, five (5) days at twenty degrees (20°) Centigrade expressed in terms of weight and concentration (milligrams per liter (mg/l)).

(5) "Building sewer." A sewer conveying wastewater from the premises of a user to the POTW.

(6) "Categorical standards." The national categorical pretreatment standards or pretreatment standard.

(7) "City." The City of McKenzie or the City Council of McKenzie.

(8) "Cooling water." The water discharge from any use such as air conditioning, cooling or refrigeration, or to which the only pollutant added is heat.

(9) "Control authority." The term "control authority" shall refer to the "approval authority," defined hereinabove; or the superintendent if the city has an approved pretreatment program under the provisions of 40 C.F.R. 403.11.

(10) "Direct discharge." The discharge of treated or untreated wastewater directly to the waters of the State of Tennessee.

(11) "Environmental Protection Agency, or EPA." The U.S. Environmental Protection Agency, or where appropriate, the term may also be used as a designation for the administrator or other duly authorized official of the said agency.

(12) "Grab sample." A sample which is taken from a waste stream on a one-time basis with no regard to the flow in the waste stream and without consideration of time.

(13) "Holding tank waste." Any waste from holding tanks such as vessels, chemical toilets, campers, trailers, septic tanks, and vacuum-pump tank trucks.

(14) "Indirect discharge." The discharge or the introduction of non-domestic pollutants from any source regulated under section 307(b) or (c) of the Act, (33 U.S.C. 1317), into the POTW (including holding tank waste discharged into the system).

(15) "Industrial user." A source of indirect discharge which does not constitute a "discharge of pollutants" under regulations issued pursuant to section 402, of the Act (33 U.S.C. 1342).

(16) "Interference." The inhibition or disruption of the POTW treatment processes or operations which contributes to a violation of any requirement of the city's NPDES permit. The term includes prevention of sewage sludge use or disposal by the POTW in accordance with 405 of the Act, (33 U.S.C. 1345) or any criteria, guidelines, or regulations developed pursuant to the Solid Waste Disposal Act (SWDA), the Clean Air Act, the Toxic Substances Control Act, or more stringent state criteria (including those contained in any state sludge management plan prepared pursuant to title IV of SWDA) applicable to the method of disposal or use employed by the POTW.

(17) "National categorical pretreatment standard or pretreatment standard." Any regulation containing pollutant discharge limits promulgated by the EPA in accordance with section 307(b) and (c) of the Act (33 U.S.C. 1347) which applies to a specific category of industrial users.

(18) "National prohibitive discharge standard or prohibitive discharge standard." Any regulation developed under the authority of 307(b) of the Act and 40 C.F.R., section 403.5.

(19) "New source." Any source, the construction of which is commenced after the publication of proposed regulations prescribing a section 307(c) (33 U.S.C. 1317) categorical pretreatment standard which will be applicable to such source, if such standard is thereafter promulgated within one hundred twenty (120) days of proposal in the Federal Register. Where the standard is promulgated later than one hundred twenty (120) days after proposal, a new

source means any source, the construction of which is commenced after the date of promulgation of the standard.

(20) "National Pollution Discharge Elimination System or NPDES permit." A permit issued pursuant to section 402 of the Act (33 U.S.C. 1342).

(21) "Person." Any individual, partnership, copartnership, firm, company, corporation, association, joint stock company, trust, estate, governmental entity or any other legal entity, or their legal representatives, agents, or assigns. The masculine gender shall include the feminine, the singular shall include the plural where indicated by the context.

(22) "pH." The logarithm (base 10) of the reciprocal of the concentration of hydrogen ions expressed in grams per liter of solution.

(23) "Pollution." The man-made or man-induced alteration of the chemical, physical, biological, and radiological integrity of water.

(24) "Pollutant." Any dredged spoil, 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 discharge into water.

(25) "Pretreatment or treatment." The reduction of the amount of pollutants, the elimination of pollutants, or the alteration of the nature of pollutant properties in wastewater to a less harmful state prior to or in lieu of discharging or otherwise introducing such pollutants into a POTW. The reduction or alteration can be obtained by physical, chemical, biological processes, or process changes or by other means, except as prohibited by 40 C.F.R. section 403.6(d).

(26) "Pretreatment requirements." Shall mean any substantive or procedural requirement related to pretreatment other than a national pretreatment standard imposed on an industrial user.

(27) "Process water." Shall mean "industrial wastes" as described in this section.

(28) "Public sewer." A sewer in which all owners of abutting properties have equal rights and is controlled by public authority.

(29) "Publicly Owned Treatment Works (POTW)." A treatment work as defined by section 212 of the Act, which is owned by the municipality. This definition includes any sewers that convey wastewater to such a treatment works, but does not include pipes, sewers or other conveyances not connected to a facility providing treatment. The term also means the municipality as defined in section 502(A) of the Act, which has jurisdiction over the indirect discharges to and the discharges from such a treatment works.

(30) "Replacement." Expenditures for obtaining and installing equipment, accessories, or appurtenances which are necessary during the service life of the wastewater treatment works to maintain the capacity and performance for which such works were designed and constructed. The term operations and maintenance includes replacement.

(31) "Sanitary sewer." A sewer which carries sewage and to which storm, surface, and ground waters are not intentionally admitted.

(32) "Sanitary wastewater." Liquid wastes discharges from the sanitary conveniences at dwellings (including apartment houses and motels), office buildings, industrial plants, or institutions and from the non-commercial preparation, cooking and handling of food, as distinct from industrial wastes.

(33) "Sewage or wastewater." A combination of the water-carried wastes from residences, business buildings, institutions, and industrial establishments, together with such ground, surface, and storm waters as may be present.

(34) "Significant industrial user." All industrial users subject to categorical pretreatment standards under 40 C.F.R. 403.6 and 40 C.F.R. chapter I, subchapter N; and any other industrial user that: discharges an average of twenty-five thousand (25,000) gallons per day or more of process wastewater to the POTW (excluding sanitary, noncontact cooling and boiler blowdown wastewater); contributes a process wastestream which makes up five percent (5%) or more of the average dry weather hydraulic or organic capacity of the POTW treatment plant or is designated as such by the control authority as defined in 40 C.F.R. 403.12(a) on the basis that the industrial user has a reasonable potential for adversely affecting the POTW's operation or for violating any pretreatment standard or requirement (in accordance with 40 C.F.R. 403.8(f)(6)).

(35) "Significant non-compliance." A situation that meets any of the following:

(a) Chronic violations of wastewater discharge limits, defined here as those in which sixty-six percent (66%) or more of all of the measurements taken during a six (6) month period exceed (by any magnitude) the daily maximum limit or the average limit for the same pollutant parameter.

(b) Technical Review Criteria (TRC) violations, defined here as those in which thirty-three percent (33%) or more of all of the measurements for each pollutant parameter taken during a six (6) month period equal or exceed the product of the daily maximum limit or the average limit multiplied by the applicable TRC (TRC = 1.4 for BOD, TSS, fats, oils and grease, and 1.2 for all other pollutants except pH).

(c) Any other violation of a pretreatment effluent limit (daily maximum or longer-term average) that the control authority determines has caused, alone or in combination with other discharges, interference or pass through (including endangering the health of POTW personnel or the general public).

(d) Any discharge of a pollutant that has caused imminent endangerment to human health welfare or to the environment or has resulted in the POTW's exercise of its emergency authority to halt or prevent such a discharge.

(e) Failure to meet, within ninety (90) days after the schedule date, a compliance schedule milestone contained in a local control mechanism or enforcement order for starting construction, completing construction, or attaining final compliance.

(f) Failure to provide, within thirty (30) days after the due date, required reports such as baseline monitoring reports, ninety (90) day compliance reports, periodic self-monitoring reports, and reports on compliance with compliance schedules.

(g) Failure to accurately report noncompliance.

(h) Any other violation or group of violations which the control authority determines will adversely affect the operation or implementation of the local pretreatment program.

(36) "Suspended solids." The total suspended matter that floats on the surface of, or is suspended in, water, wastewater or other liquids, and which is removable by laboratory filtering.

(37) "Superintendent." The person designated by the city to supervise the operation of the publicly owned treatment works and who is charged with certain duties and responsibilities by this section or his duly authorized representative.

(38) "Toxic pollutant." Any pollutant or combination of pollutants listed as toxic in regulations promulgated by the administrator of the Environmental Protection Agency under the provision of CWA 307(a) or other Acts.

(39) "User." Any person who contributes, causes or permits the contribution of wastewater into the city's POTW.

(40) "Wastewater." The liquid and water-carried industrial or domestic wastes from dwellings, commercial buildings, industrial facilities, and institutions, whether treated or untreated, which is contributed into or permitted to enter the POTW.

(41) "Waters of the state." All streams, lakes, ponds, marshes, watercourses, waterways, wells, springs, reservoirs, aquifers, irrigation systems, drainage systems, and all other bodies or accumulation of water, surface or underground, natural or artificial, public or private, which are contained within, flow through, or border upon the state or any portion thereof.

(42) "Wastewater contribution permit." As set forth in § 18-217 of this chapter. (1995 Code, § 18-202)

18-203. Abbreviations. The following abbreviations shall have the designated meanings:

BOD	-	Biochemical Oxygen Demand
C.F.R.	-	Code of Federal Regulations
COD	-	Chemical Oxygen Demand
EPA	-	Environmental Protection Agency
l	-	Liter
mg	-	Milligrams

mg/l	-	Milligrams per liter
NPDES	-	National Pollutant Discharge Elimination System
POTW	-	Publicly Owned Treatment Works
SIC	-	Standard Industrial Classification
SWDA	-	Solid Waste Disposal Act, 42 U.S.C. 6901, <u>et seq.</u>
U.S.C.	-	United States Code
TSS	-	Total Suspended Solids. (1995 Code, § 18-203)

18-204. Requirements for proper sewage disposal. (1) Disposal of human and animal excrements. It shall be unlawful for any user to place, deposit, or permit to be deposited in any unsanitary manner on public or private property within the City of McKenzie or any area under the jurisdiction of the said city, any human or animal excrement, garbage, or other objectionable waste.

(2) Discharge of sewage or polluted waters. It shall be unlawful to directly discharge to any natural outlet within the City of McKenzie or in any area under the jurisdiction of the said city, any sewage or other polluted waters, except where suitable treatment has been provided in accordance with subsequent provisions of this chapter.

(3) Septic tank, cesspool, privy vault, and privy construction. Except as hereafter 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.

(4) Requirements of sewer connections. 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 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 provisions of this chapter, within ninety (90) days after date of official notice to do so.

(5) Private sewage disposal. The disposal of sewage by means other than the use of the available sanitary sewer system shall be in accordance with local, county, state and federal law. The disposal of sewage by private disposal systems shall be permissible only in those instances where service from the available sanitary sewage system is not available. (1995 Code, § 18-204)

18-205. Building sewer permits and proper connections. (1) Sewer connections. No unauthorized user shall uncover, make any connections with or opening into, use, alter, or disturb any public sewer or appurtenances thereof without first obtaining a written permit from the superintendent.

(2) Building sewer permits. There shall be two (2) classes of building sewer permits;

(a) For residential and commercial service, and

(b) For service to establishments producing industrial wastes.

In either case, the owner or his agent shall make application on a special form furnished by the city. Their permit application shall be supplemented by any plans, specifications, or other information considered pertinent in the judgment of the superintendent. A review and inspection fee of ten dollars (\$10.00) shall be paid to the city at the time the application is filed. If it is determined that the user is classified as a significant industrial user, a significant industrial user discharge permit shall be issued. A permit fee of three hundred fifty dollars (\$350.00) shall be paid to the city prior to permit issuance.

(3) Cost of sewer connection. All costs and expense incidental to the installation and connection of the building sewer shall be borne by the owner. This includes any tap and/or hook-up charges which may apply. 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.

(4) Users per connection. A separate and independent building sewer shall be provided for every building except where the superintendent approves more than one connection to a septic tank as provided by the requirements of this chapter. No more than three (3) connections shall ever be made to a single septic tank.

(5) Use of existing sewer connection. Old building sewers, particularly existing service line, may be used in connection with new buildings only when they are found, on examination and test by the superintendent, to meet all requirements of this chapter.

(6) Design consideration for building sewers. The size, slope, alignment, materials of construction 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 following requirements:

(a) The minimum size of a building sewer shall be four inches (4").

(b) The minimum depth of a building sewer shall be eighteen inches (18").

(c) Four inch (4") building sewers shall be laid on a grade greater than one-eighth inch (1/8") per foot. Larger building sewers shall be laid on a grade that will produce a velocity when flowing full of at least two feet (2') per second.

(d) Slope and alignment of all building sewers shall be neat and regular.

(e) Building sewers shall be constructed only of:

(i) Concrete or clay sewer pipe using rubber or neoprene compression joints of approved type;

(ii) Cast iron soil pipe with compression joints;

(iii) Polyvinyl chloride pipe with solvent welded or with rubber compression joints of approved type; or

(iv) Such other materials of equal or superior quality as may be approved by the superintendent. Under no circumstances will cement mortar joints be acceptable.

(f) A cleanout shall be located five feet (5') outside of the building, one as it taps onto the utility lateral and one at each change of direction of the building sewer which is greater than forty-five degrees (45°). Additional cleanouts shall be placed not more than seventy-five feet (75') apart in horizontal building sewers of four inch (4") nominal diameter and not more than one hundred feet (100') apart for larger pipes. Cleanouts shall be extended to or above the finished grade level directly above the place where the cleanout is installed. A "Y" (wye) and one-eighth (1/8) bend shall be used for the cleanout base. Cleanouts shall not be smaller than four inches (4") on a four inch (4") pipe.

(g) Connections of building sewers to the public sewer system shall be made at the appropriate existing wye or tee branch using compression type couplings or collar type rubber joint with corrosion resisting or stainless steel bands. Where existing wye or tee branches are not available, connections of building services shall be made by either removing a length of pipe and replacing it with a wye or tee fitting or installing a tee-saddle or tee-insert of a type approved by the superintendent. All such connections shall be made gas-tight and watertight.

(h) The building sewer may be brought into the building below the basement floor when gravity flow from the building to the sanitary sewer is at a grade of one-eighth inch (1/8") per foot or more if possible. In cases where basement or floor levels are lower than the ground elevation at the point of connection to the sewer, adequate precautions by installation of check valves or other backflow prevention devices to protect against flooding shall be provided by the owner. 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 at the expense of the owner.

(i) The methods to be used in excavation, placing of pipe, jointing, testing, backfilling the trench, or other activities in the construction of a building sewer which have not been described above shall conform to the requirements of the building and plumbing code or other applicable rules and regulations of the city or to the procedures set forth in appropriate specifications of the ASTM and Water Pollution Control Federal Manual of Practice No. 9. Any deviation from the prescribed procedures and materials must be approved by the superintendent before installation.

(j) An installed building sewer shall be gas tight and water tight.

(7) Maintenance of building sewers. Each individual property owner or user of the POTW shall be entirely responsible for the maintenance of the building sewer located on private property. This maintenance will include repair or replacement of the service line as deemed necessary by the superintendent to meet specifications of the city.

(8) Illegal connections. No user shall make connection of roof downspouts, exterior foundation drains, areaway drains, or other sources of uncontaminated surface runoff or groundwater to a building sewer or building which in turn is connected directly or indirectly to a public sanitary sewer.

(9) Design considerations for connecting building and public sewers. The connection of the building sewer into the public sewer shall conform to the requirement of the building and plumbing code or other applicable rules and regulations of the city, or the procedures set forth in appropriate specifications of the ASTM and the WPCF Manual of Practice No. 9. All such connections shall be made gas tight and water tight. Any deviation from the prescribed procedures and materials must be approved by the superintendent before installation.

(10) Inspection of building sewers. The applicant for the building sewer permit shall notify the superintendent when the building is ready for inspection and connection to the public sewer. The connection shall be made under the supervision of the superintendent or his representative. (1995 Code, § 18-205)

18-206. General discharge prohibitions. No user shall contribute or cause to be contributed, directly or indirectly, any pollutant or wastewater which will interfere with the operation or performance of the POTW. These general prohibitions apply to all such users of a POTW whether or not the user is subject to national categorical pretreatment standards or any other national, state, or local pretreatment standards or requirements. A user may not contribute the following substances to any POTW:

(1) 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 POTW or to the operation of the POTW. 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, xylene, ethers, alcohols, ketones, aldehydes, peroxides, chlorates, perchlorates, bromates, carbides, hydrides and sulfides and any other substances which the city, the state or EPA has notified the user is a fire hazard or a hazard to the system.

(2) Solid or viscous substances which may cause obstruction to the flow in a sewer or other interference with the operation of the wastewater treatment

facilities such as, but not limited to: grease, garbage with particles greater than one-half inch (1/2") in any dimension, animal guts or tissues, paunch manure, bones, hair, hides or fleshings, entrails, whole blood, feathers, ashes, cinders, sand, spent lime, stone or marble dust, metal, glass, straw, shavings, grass clippings, rags, spent grains, spent hops, waste paper, wood, plastics, gas, tar, asphalt residues, residues from refining or processing of fuel or lubricating oil, mud, or glass grinding or polishing wastes.

(3) Any wastewater having a pH less than 5.0 unless the POTW is specifically designed to accommodate such wastewater, or wastewater having any other corrosive property capable of causing damage or hazard to structures, equipment, and/or personnel of the POTW.

(4) Any wastewater containing toxic pollutants in sufficient quantity, either singly or by interaction with other pollutants, to injure or interfere with any wastewater treatment process, constitute a hazard to humans or animals, create a toxic effect in the receiving waters of the POTW, or to exceed the limitation set forth in a categorical pretreatment standard. A toxic pollutant shall include but not be limited to any pollutant identified pursuant to section 307(a) of the Act.

(5) Any noxious or malodorous liquids, gases, or solids which either singly or by interaction with other wastes are sufficient to create a public nuisance or hazard to life or are sufficient to prevent entry into the sewers for maintenance and repair.

(6) Any substance which may cause the POTW's effluent or any other product of the POTW such as residues, sludges, or scums, to be unsuitable for reclamation and reuse or to interfere with the reclamation process. In no case, shall a substance discharged to the POTW cause the POTW to be in non-compliance with sludge use or disposal criteria, guidelines or regulations developed under section 405 of the Act; any criteria, guidelines, or regulations affecting sludge use or disposal developed pursuant to the Solid Waste Disposal Act, the Clean Air Act, the Toxic Substances Control Act, or state criteria applicable to the sludge management method being used.

(7) Any substance which will cause the POTW to violate its NPDES and/or state disposal system permit or the receiving water quality standards.

(8) Any wastewater with objectionable color not removed in the treatment process, such as, but not limited to, dye wastes and vegetable tanning solutions.

(9) Any wastewater having a temperature which will inhibit biological activity in the POTW treatment plant resulting in interference, but in no case wastewater with a temperature at the introduction into the POTW which exceeds forty degrees (40° C) Celsius (one hundred four degrees (104°) F) unless the POTW treatment plant is designed to accommodate such temperature.

(10) Any pollutants, including oxygen demanding pollutants (BOD, etc.) released at a flow rate and/or pollutant concentration which a user knows or has reason to know will cause interference to the POTW. In no case shall a slug load

have a flow rate or contain concentration or qualities of pollutants that exceed for any time period longer than fifteen (15) minutes more than five (5) times the average twenty-four (24) hour concentration, quantities, or flow during normal operation.

(11) Any wastewater containing any radioactive waste or isotopes of such half-life or concentration as may exceed limits established by the superintendent in compliance with applicable state or federal regulations.

(12) Any wastewater which causes a hazard to human life or creates a public nuisance.

(13) Petroleum oil, nonbiodegradable cutting oil, or products of mineral oil origin in amounts that will cause interference or pass through.

(14) Pollutants which result in the presence of toxic gases, vapors or fumes within the POTW in a quantity that may cause acute worker health and safety problems.

(15) Any trucked or hauled pollutants except at discharge points designated by the POTW.

When the superintendent determines that a user(s) is contributing to the POTW any of the above enumerated substances in such amounts as to interfere with the operation of the POTW, the superintendent shall:

(a) Advise the user(s) of the impact of the contribution on the POTW; and

(b) Develop effluent limitation(s) for such user to correct the interference with the POTW. (1995 Code, § 18-206)

18-207. Federal categorical pretreatment standards. Upon the promulgation of the federal categorical pretreatment standards for a particular industrial subcategory, the federal standard, if more stringent than limitations imposed under this chapter for sources in that subcategory shall immediately supersede the limitations imposed under this chapter. The superintendent shall notify all affected users of the applicable reporting requirements under 40 C.F.R., section 403.12. (1995 Code, § 18-207)

18-208. Modification of federal categorical pretreatment standards. Where the city's wastewater treatment system achieves consistent removal of pollutants limited by federal pretreatment standards, the city may apply to the approval authority for modification of specific limits in the federal pretreatment standards. "Consistent removal" shall mean reduction in the amount of a pollutant or alteration of the nature of the pollutant by the wastewater treatment system to a less toxic or harmless state in the effluent which is achieved by the system ninety-five percent (95%) of the samples taken when measured according to the procedures set forth in section 403.7(c)(2) of (title 40 of the Code of Federal Regulations, part 403) - "General Pretreatment Regulations for Existing and New Sources of Pollution" promulgated pursuant to the Act. The city may then modify pollutant discharge limits in the federal

pretreatment standards if the requirements contained in 40 C.F.R., part 403, section 403.7, are fulfilled and prior approval from the approval authority is obtained. (1995 Code, § 18-208)

18-209. State requirements. State requirements and limitations on discharges shall apply in any case where they are more stringent than federal requirements and limitations or those in this chapter. (1995 Code, § 18-209)

18-210. City's right of revision. The city reserves the right to establish by ordinance more stringent limitations or requirements on discharges to the wastewater disposal system if deemed necessary to comply with the objectives presented in § 18-201 of this chapter. (1995 Code, § 18-210)

18-211. Excessive discharge. No user shall ever increase the use of process water or, in any way attempt to dilute a discharge as a partial or complete substitute for adequate treatment to achieve compliance with the limitations contained in the federal categorical pretreatment standards, or in any other pollutant-specific limitation developed by the city or state. (Comment: Dilution may be an acceptable means of complying with some of the prohibitions set forth in § 18-206, e.g., the pH prohibition.) (1995 Code, § 18-211)

18-212. Accidental discharges. Each user shall provide protection from accidental discharge of prohibited materials or other substances regulated by this chapter. Facilities to prevent accidental discharge of prohibited materials shall be provided and maintained at the owner or user's own cost and expense. Detailed plans showing facilities and operating procedures to provide this protection shall be submitted to the city for review, and shall be approved by the city before construction of the facility. All existing users shall complete such a plan within one hundred eighty (180) days from adoption of this chapter. No user who commences contribution to the POTW after the effective date of this chapter shall be permitted to introduce pollutants into the system until accidental discharge procedures have been approved by the city. Review and approval of such plans and operating procedures shall not relieve the industrial user from the responsibility to modify the user's facility as necessary to meet the requirements of this chapter. In the case of an accidental discharge, it is the responsibility of the user to immediately telephone and notify the POTW of the incident. The notification shall include location of discharge, type of waste, concentration and volume, and corrective actions.

(1) **Written notice.** Within five (5) days following an accidental discharge, the user shall submit to the superintendent a detailed written report describing the cause of the discharge and the measures to be taken by the user to prevent similar future occurrences. Such notification shall not relieve the user of any expense, loss, damage, or other liability which may be incurred as a result of damage to the POTW, fish kills, or any other damage to person or

property; nor shall such notification relieve the user of any fines, civil penalties, or other liability which may be imposed by this chapter or other applicable law.

(2) Notice to employees. A notice shall be permanently posted on the user's bulletin board or other prominent place advising employees who to call in the event of a dangerous discharge. Employers shall insure that all employees who may cause or suffer such a dangerous discharge to occur are advised of the emergency notification procedure. (Ord. #324, Nov. 1991)

18-213. Hazardous waste discharges. The industrial user shall notify the POTW, the EPA Regional Waste Management Division Director, and state hazardous waste authorities in writing of any discharge into the POTW of a substance, which, if otherwise disposed of, would be a hazardous waste under 40 C.F.R. part 281. Such notification must include the name of the hazardous waste as set forth in 40 C.F.R. part 281, the EPA hazardous waste number, and the type of discharge (continuous batch or other). If the industrial user discharges more than one hundred (100) kilograms of such waste per calendar month to the POTW, the notification shall also contain the following information to the extent such information is known and readily available to the industrial user: An identification of the hazardous constituents contained in the wastes, an estimation of the mass and concentration of such constituents in the wastestream discharged during that calendar month, and an estimation of the mass of constituents in the wastestream expected to be discharged during the following twelve (12) months. All notification must take place within one hundred eighty (180) days of the effective date of this rule. Industrial users who commence discharging after the effective date of this rule shall provide the notification no later than one hundred eighty (180) days after the discharge of the listed or characteristic hazardous waste. Any notification under this paragraph need be submitted only once for each hazardous waste discharged. However, notifications of changed discharges must be submitted under 40 C.F.R. 403.12(j). The notification requirement in this section does not apply to pollutants already reported under the self-monitoring requirements or 40 C.F.R. 403.12 (b), (d), and (e). (1995 Code, § 18-213)

18-214. Affirmative defenses. A user shall have an affirmative defense in any action brought against it alleging a violation where the following exist:

(1) Treatment upsets. (a) Any industrial user which experiences an upset in operations that places it in a temporary state of noncompliance, which is not the result of operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance or careless or improper operation, shall inform the superintendent thereof immediately upon becoming aware of the upset. Where such information is given orally, a written report thereof shall be filed by the user within five (5) days. The report shall contain:

(i) A description of the upset, its cause(s), and impact on the discharger's compliance status;

(ii) The duration of noncompliance, including exact dates and times of noncompliance, and if the noncompliance is continuing, the time by which compliance is reasonably expected to be restored;

(iii) All steps taken or planned to reduce, eliminate, and prevent recurrence of such an upset.

(b) An industrial user which complies with the notification provisions of this section in a timely manner shall have an affirmative defense to any enforcement action brought by the superintendent for any noncompliance with this chapter, or an order or permit issued hereunder by the user, which arises out of violations attributable to and alleged to have occurred during the period of the documented and verified upset.

(2) Treatment bypasses. (a) A bypass of the user's treatment system is prohibited unless all of the following conditions are met:

(i) The bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;

(ii) There was no feasible alternative to the bypass, including the use of auxiliary treatment or retention of the wastewater; and

(iii) The industrial user properly notified the superintendent as described in paragraph (b) below.

(b) Industrial users must provide immediate notice to the superintendent upon discovery of an unanticipated bypass. If necessary, the superintendent may require the industrial user to submit a written report explaining the cause(s), nature, and duration of the bypass, and steps being taken to prevent its recurrence.

(c) An industrial user may allow a bypass to occur which does not cause pretreatment standards or requirements to be violated, but only if it is for essential maintenance to ensure efficient operation of the treatment system. Industrial users anticipating a bypass must submit notice to the superintendent at least ten (10) days in advance. The superintendent may only approve the anticipated bypass if the circumstances satisfy those set forth in paragraph (a) above. (1995 Code, § 18-214)

18-215. Fees. (1) Purpose of charges and fees. A schedule of charges and fees shall be adopted by the City of McKenzie which will enable it to comply with the revenue requirements of section 204 of the Clean Water Act. Charges and fees shall be determined in a manner consistent with regulations of the Federal Grant Program to ensure that sufficient revenues are collected to defray the cost of operating and maintaining, including replacement, adequate wastewater collection and treatment systems. Specific charges and fees shall be

adopted by a separate ordinance, this section describes the procedure to be used in calculating the charges and fees. Additional charges and fees to recover funds for capital outlay, bond service costs, and capital improvements may be assessed by the City of McKenzie. These charges and fees shall be recovered through the user classification established below.

(2) Classification of user. All users shall be classified by the superintendent either by assigning each one to a "user classification" category according to the principal activity conducted on the user's premises, by individual user analyzation, or by a combination thereof. The purpose of such collective and/or individual classification is to facilitate the regulation of wastewater discharges based on wastewater constituents and characteristics.

(3) Type of charges and sewer fees. The charges and fees as established in treatment works schedule of charges and fees, may include, but not be limited to:

- (a) User classification charges;
- (b) Fees for monitoring requested by user;
- (c) Fees for permit applications;
- (d) Appeal fees;
- (e) Charges and fees based on wastewater constituents and characteristics;
- (f) Fees for use of garbage grinders;
- (g) Fees for holding tank wastes;
- (h) Charges for compliance monitoring;
- (i) Permit issuance fee;

(4) Basis of determination of charges. Charges and fees may be based upon a minimum basic charge for each premise, computed on the basis of "normal wastewater" from a domestic premise with the following characteristics:

BOD	300 milligrams per liter
COD	600 milligrams per liter
TKN	60 milligrams per liter
NH3-N	30 milligrams per liter
Suspended solids	300 milligrams per liter
Fats, oil and grease	100 milligrams per liter

The charges and fees for all classifications of users other than the basic domestic premise shall be based upon the relative difference between the average wastewater constituents and characteristics of that classification as related to those of a domestic premise.

The charges and fees established for permitted users shall be based upon the measured or estimated constituents and characteristics of the wastewater discharge of that user which may include, but not be limited to, BOD, COD, SS, NH as N, chlorine demand, and volume.

(5) User charges. Each user shall be levied a charge for payment of bonded indebtedness of the treatment system and for that user's proportionate

share of the operations and maintenance costs of the system. A surcharge will be levied against those users with wastewater that exceeds the strength of "normal wastewater."

(a) Operation and maintenance user charges: Each user's share of operation and maintenance costs will be computed by the following formula:

$$C_u = \frac{C_t}{V_t} \times (V_u)$$

Where:

C_u	=	User's charge for O & M per unit of time.
C_t	=	Total O & M cost per unit of time.
V_t	=	Total volume contribution from all users per unit of time.
V_u	=	Volume contribution from a user per unit of time.

Operation and maintenance charges may be established on a percentage of water use charge only in the event that water use charges are based on a constant cost per unit of consumption.

(b) Surcharges: The surcharge will be the user's proportionate share of the O & M costs for handling its periodic volume of wastewater which exceeds the strength of BOD, suspended solids, and/or other elements in "normal wastewater" excluding "toxic wastes". The amount of the surcharge shall be determined by the following formula:

$$C_s = [(B_c \times B) + (S_c \times S) + (P_c \times P)] V_i$$

Where:

C_s	=	Surcharge for wastewaters exceeding the strength of "normal wastewater" expressed in dollars per billing period.
B_c	=	O & M cost for treatment of a unit of BOD expressed in dollars per pound.
B	=	Concentration of BOD from a user above the base level of 2.50 lbs/1,000 gallons expressed in pounds per 1,000 gallons.
S_c	=	O & M costs for treatment of a unit of suspended solids expressed in dollars per pound.
S	=	Concentration of suspended solids from a user above the base level of 2.50 lbs/1,000 gallons expressed in pounds per 1,000 gallons.
P_c	=	O & M cost for treatment of a unit of any pollutant which the publicly-owned treatment

		works is committed to treat by virtue of an NPDES permit or other regulatory requirement expressed in dollars per pound.
P	=	Concentration of any pollutant from a user above base level. Base levels for pollutants subject to surcharges will be established by the superintendent.
V _i	=	Volume contribution of a user per billing period. (Expressed in thousands of gallons).

The values of parameters used to determine user charges may vary from time to time. Therefore, the superintendent is authorized to modify any parameter or value as often as necessary. Review of all parameters and values shall be undertaken whenever necessary; but in no case less frequently than annually.

(6) Notification. Each user shall be notified, at least annually, in conjunction with a regular bill, of the rate and that portion of the user charges which are attributable to wastewater treatment services.

(7) Biennial review of operation and maintenance charges. The City of McKenzie shall review not less often than every two (2) years the wastewater contribution of users and user classes, the total costs of operation and maintenance of the treatment works and its approved user charge system. The city shall revise the charges for users or user classes to accomplish the following:

- (a) Maintain the proportionate distribution of operation and maintenance costs among users and user classes as required herein;
- (b) Generate sufficient revenue to pay the total operation and maintenance costs necessary to the proper operation and maintenance (including replacement) of the treatment works; and
- (c) Apply excess revenues collected from a class of users to the costs of operation and maintenance attributable to that class for the next year and adjust the rate accordingly.

(8) Appeal procedure. A user shall have the right to appeal any and all charges and fees assessed against him. The procedure shall be as follows:

A written notice, signed by the user seeking an appeal hearing, shall be delivered by registered mail to the superintendent outlining the fees and charges which the user wishes to appeal. The superintendent shall then have thirty (30) days from the time of receipt of the notice to notify the McKenzie City Council that an appeal hearing will be held. A hearing shall then be conducted and all grievances alleged by the user shall be discussed, and appropriate decisions rendered by the superintendent. Any decisions which, in the judgment of the user, are inappropriate may be appealed to the Mayor and City Council of McKenzie by filing a written notice with said commission within fourteen (14) days after completion of the first hearing. The Mayor and City Council of McKenzie shall then have forty-five (45) days in which to convene a meeting of

the Mayor and City Council of McKenzie to hear all unresolved grievances and issues appropriate to decisions.

Nothing in this section shall affect a person's right to appeals provided by state law.

(9) Wastewater characteristics. The wastewater characteristics of each industrial user shall be determined by monitoring or, where monitoring is not feasible, wastewater characteristics may be estimated using historical records, data from similar industrial users, etc. After initiation of the charges and fee system, major industrial users shall be monitored on a regular basis, not less often than annually. Monitoring of minor industries may be done intermittently. Monitoring shall be conducted during periods of normal discharge. (1995 Code, § 18-215)

18-216. Wastewater discharges. It shall be unlawful to discharge without a city permit to any natural outlet within the City of McKenzie, or in any area under the jurisdiction of said city, and/or to the POTW any wastewater except as authorized by the superintendent in accordance with the provisions of this chapter. (1995 Code, § 18-216)

18-217. Wastewater discharge permits. (1) General permits. All significant users proposing to connect to or to contribute to the POTW shall obtain a wastewater discharge permit before connecting to or contributing to the POTW.

(2) Permit application. Users required to obtain a wastewater contribution permit shall complete and file with the city, an application in the form prescribed by the city, and accompanied by the appropriate fee. Proposed new users shall apply at least ninety (90) days prior to connecting to or contributing to the POTW. In support of the application, the user shall submit, in units and terms appropriate for evaluation, the following information:

(a) Name, address, and location, (if different from the address).

(b) SIC number according to the Standard Industrial Classification Manual, Office of Management and Budget, 1972, as amended.

(c) Wastewater constituents and characteristics including but not limited to those mentioned in §§ 18-206 through 18-214 of this chapter as determined by a reliable analytical laboratory; sampling and analysis shall be performed in accordance with procedures established by the EPA pursuant to section 304(g) of the Act and contained in 40 C.F.R., part 136, as amended.

(d) Time and duration of contribution.

(e) Average daily and thirty (30) minute peak wastewater flow rates, including daily, monthly and seasonal variations if any.

(f) Site plans, floor plans, mechanical and plumbing plans and details to show all sewers, sewer connections, and appurtenances by the size, location and elevation.

(g) Description of activities, facilities and plant processes on the premises including all materials which are or could be discharged.

(h) Where known, the nature and concentration of any pollutants in the discharge which are limited by any city, state, or federal pretreatment standards, and a statement regarding whether or not the pretreatment standards are being met on a consistent basis and if not, whether additional operation and maintenance (O & M) and/or additional pretreatment is required for the user to meet applicable pretreatment standards.

(i) If additional pretreatment and/or O & M will be required to meet the pretreatment standards, the shortest schedule by which the user will provide such additional pretreatment. The completion date in this schedule shall not be later than the compliance date established for the applicable pretreatment standard.

The following conditions shall apply to this schedule:

(i) The schedule shall contain increments of progress in the form of dates for the commencement and completion of major events leading to the construction and operation of additional pretreatment required for the user to meet the applicable pretreatment standards (e.g., hiring an engineer, completing preliminary plans, completing final plans, executing contract for major components, commencing construction, completing construction, etc.).

(ii) No increment referred to in paragraph (i) shall exceed nine (9) months.

(iii) Not later than fourteen (14) days following each date in the schedule and the final date for compliance, the user shall submit a progress report to the superintendent including, as a minimum, whether or not it complied with the increment of progress to be met on such date and, if not, the date on which it expects to comply with this increment of progress, the reason for delay, and the steps being taken by the user to return the construction to the schedule established. In no event shall more than nine (9) months elapse between such progress reports to the superintendent.

(j) Each product produced by type, amount, process or processes and rate of production.

(k) Type and amount of raw materials processed (average and maximum per day).

(l) Number and type of employees, and hours of operation of plant and proposed or actual hours of operation of pretreatment system.

(m) Any other information as may be deemed by the city to be necessary to evaluate the permit application.

The city will evaluate the data furnished by the user and may require additional information. After evaluation and acceptance of the data furnished, the city may issue a wastewater contribution permit subject to terms and conditions provided herein.

(3) Permit modifications. Within nine (9) months of the promulgation of a national categorical pretreatment standard, the wastewater contribution permit of users subject to such standards shall be revised to require compliance with standard within the time frame prescribed by such standard. Where a user, subject to a national categorical pretreatment standard, has not previously submitted an application for a wastewater contribution permit as required by § 18-217(2), the user shall apply for a wastewater contribution permit within one hundred eighty (180) days after the promulgation of the applicable national categorical pretreatment standard. In addition, the user with an existing wastewater contribution permit shall submit to the superintendent within one hundred eighty (180) days after the promulgation of an applicable federal categorical pretreatment standard the information required by paragraph (h) and (i) of § 18-217(2).

(4) Permit conditions. Wastewater discharge permits shall be expressly subject to all provisions of this chapter and all other applicable regulations, user charges and fees established by the city. Permits may contain the following:

- (a) The unit charge or schedule of user charges and fees for the wastewater to be discharged to a community sewer;
- (b) Limits on the average and maximum wastewater constituents and characteristics;
- (c) Limits on average and maximum rate and time of discharge or requirements for flow regulation and equalization;
- (d) Requirements for installation and maintenance of inspection and sampling facilities;
- (e) Specifications for monitoring programs which may include sampling, locations, frequency of sampling, number, types and standards for tests and reporting schedule;
- (f) Compliance schedules;
- (g) Requirements for submission of technical reports or discharge reports (see § 18-218);
- (h) Requirements for maintaining and retaining plant records relating to wastewater discharge as specified by the city, and affording city access thereto;
- (i) Requirements for notification of the city or any new introduction of wastewater constituents or any substantial change in the volume or character of the wastewater treatment constituents being introduced into the wastewater treatment system;

- (j) Requirements for notification of slug discharges as per § 18-213;
- (k) Statement of permit duration;
- (l) Requirements for permit transfer;
- (m) Statements of civil and criminal penalties are set forth under this chapter;
- (n) Other conditions as deemed appropriate by the city to ensure compliance with this chapter.

(5) Permit duration. A permit shall be valid for a maximum of two (2) years. A permit may be issued for a lesser period of time with a specified expiration date. It shall be the responsibility of the user to submit for permit reissuance a minimum of one hundred eighty (180) days prior to expiration. Discharge to the sewer system after expiration of a permit shall be considered an unlawful connection and is subject to the provision of § 18-220.

(6) Permit transfer. Wastewater discharge permits are issued to a specific user for a specific operation. A wastewater discharge permit shall not be reassigned or transferred or sold to a new owner, new user, different premises, or a new or changed operation without the approval of the city. Any succeeding owner or user shall also comply with the terms and conditions of the existing permit. (1995 Code, § 18-217)

18-218. Reporting requirements for permittee. (1) Compliance date report. Within ninety (90) days following the date for final compliance with applicable pretreatment standards or, in the case of a new source, following commencement of the introduction of wastewater into the POTW, any user subject to pretreatment standards and requirements shall submit to the superintendent a report indicating the nature and concentration of all pollutants in the discharge from the regulated process which are limited by pretreatment standards and requirements and the average and maximum daily flow for these process units in the user facility which are limited by such pretreatment standards or requirements. The report shall state whether the applicable pretreatment standards or requirements are being met on a consistent basis and, if not, what additional O & M and/or pretreatment is necessary to bring the user into compliance with the applicable pretreatment standards or requirements.

(2) Periodic compliance reports. (a) Any user subject to a pretreatment standard, after the compliance date of such pretreatment standard, or, in the case of a new source, after commencement of the discharge into the POTW, shall submit to the superintendent during the months of June and December, unless required more frequently in the pretreatment standard or by the superintendent a report indicating the nature and concentration, of pollutants in the effluent which are limited by such pretreatment standards. In addition, this report shall include a record of all daily flows which during the reporting period exceeded the

average daily flow reported in the application for permit. At the discretion of the superintendent and in consideration of such factors as local high or low flow rates, holidays, budget cycles, etc., the superintendent may agree to alter the months during which the above reports are to be submitted. If the user monitors pollutants at times more frequent than those required by the POTW, the user shall also include this information in its scheduled report to the POTW.

(b) The superintendent may impose mass limitations on users which are using dilution to meet applicable pretreatment standards or requirements, or in other cases where the imposition of mass limitations are appropriate. In such cases, the report required by subparagraph (a) of this paragraph shall indicate the mass of pollutants regulated by pretreatment standards in the effluent of the user. These reports shall contain the results of sampling and analysis of the discharge, including the flow and the nature and concentration, or production and mass where requested by the superintendent, of pollutants contained therein which are limited by the applicable pretreatment standards. The frequency of monitoring shall be prescribed in the applicable pretreatment standard. All analysis shall be performed in accordance with procedures established by the administrator pursuant to section 304(g) of the Act and contained in 40 C.F.R., part 136 and amendments thereto or with any other test procedures approved by the administrator. Sampling shall be performed in accordance with the techniques approved by the administrator. (Comment: Where 40 C.F.R., part 136 does not include a sampling or analytical technique for the pollutant in question sampling and analysis shall be performed in accordance with the procedures set forth in the EPA publication, "Sampling and Analysis Procedures for Screening of Industrial Effluents for Priority Pollutants," April, 1977, and amendments thereto, or with any other sampling and analytical procedures approved by the administrator.)

(c) If sampling performed by an industrial user indicates a violation, the user shall notify the POTW within twenty-four (24) hours of becoming aware of the violation. The user shall also repeat the sampling and analysis and submit the results to the POTW. The report sampling and analysis shall be completed not later than thirty (30) days after becoming aware of the violation.

(d) If, in the opinion of the city, the installation of additional control technology may be required to remedy or avoid a violation of ordinance or sewer user permit, within sixty (60) days from notice by the city, the user shall submit a compliance schedule for installation of equipment as deemed necessary by the city.

(3) Signatory requirements. All reports issued by the industrial user to the POTW shall contain the following statement signed by an officer of the company or duly appointed representative as set forth by 40 C.F.R. § 403.12(l).

I certify under penalty of law that this document, and all a attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

(4) Monitoring facilities. The city shall require to be provided and operated at the user's own expense, monitoring facilities to allow inspection, sampling, and flow measurement of the building sewer and/or internal drainage system. The monitoring facility should normally be situated on the user's premises, but the city may, when such a location would be impractical or cause undue hardship on the user, allow the facility to be constructed in the public street or sidewalk area and located so that it will not be obstructed by landscaping or parked vehicles.

There shall be ample room in or near such sampling manhole or facility to allow accurate sampling and preparation of samples for analysis. The facility, sampling, and measuring equipment shall be maintained at all times in a safe and proper operating condition at the expense of the user.

Whether constructed on public or private property, the sampling and monitoring, facilities shall be provided in accordance with the city's requirements and all applicable local construction standards and specifications. Construction shall be completed within ninety (90) days following written notification by the city.

(5) Inspection and sampling. The city shall inspect the facilities and take wastewater samples of any user to ascertain whether the purpose of this chapter is being met and all requirements are being complied with. Times of such inspections may or may not be scheduled in advance with the user. Persons or occupants of premises where wastewater is created or discharged shall allow the city or their representative ready access at all reasonable times to all parts of the premises for the purposes of inspection, sampling, records examination or in the performance of any of their duties. The city approval authority and (where the NPDES state is the approval authority), EPA shall have the right to set up on the user's property such devices as are necessary to conduct sampling inspection, compliance monitoring and/or testing. At a minimum, the city shall conduct a scheduled inspection and take samples once a year. The POTW shall contact the IU to schedule the inspection prior to visiting the site. At a minimum, one (1) additional unscheduled inspection may occur during the remainder of the year. Charges for all compliance monitoring including sampling and testing by the city shall be paid by the user.

(6) Maintenance of records. Record-keeping requirements. Any industrial user subject to the reporting requirements established in this section

shall maintain records of all information resulting from any monitoring activities required by this section. Such records shall include for all samples:

- (a) The date, exact place, method, and time of sampling and the names of the person or persons taking the samples;
- (b) The dates analyses were performed;
- (c) Who performed the analyses;
- (d) The analytical techniques/methods use; and
- (e) The results of the analyses.

Any industrial user subject to the reporting requirements established in this section shall be required to retain for a minimum of three (3) years any records of monitoring activities and results (whether or not such monitoring activities are required by this section) and shall make such records available for inspection and copying by the director and the regional administrator (and POTW in the case of an industrial user.) This period of retention shall be extended during the course of any unresolved litigation regarding the industrial user or POTW or when requested by the director or the regional administrator.

(7) Confidentiality of information. When requested by the person furnishing a report, the portions of a report which might disclose trade secrets or secret processes shall not be made available for inspection by the public but shall be made available upon written request to governmental agencies for uses related to this chapter, the National Pollutant Discharge Elimination System (NPDES) permit, state disposal system permit and/or the pretreatment programs; provided, however, that such portions of a report shall be available for use by the state or any state agency in judicial review or enforcement proceedings involving the person furnishing the report. Wastewater constituents and characteristics will not be recognized as confidential information.

Information accepted by the city as confidential shall not be transmitted to any governmental agency or to the general public by the city until and unless a ten (10) day notification is given to the user. (1995 Code, § 18-218)

18-219. Administrative enforcement remedies. (1) Notification of violation. Whenever the superintendent finds that any user has violated or is violating this chapter, or a wastewater permit or order issued hereunder, the superintendent or his agent may serve upon said user written notice of the violation. Within ten (10) days of the receipt date of this notice, an explanation of the violation and a plan for the satisfactory correction and prevention thereof, to include specific required actions, shall be submitted to the superintendent. Submission of this plan in no way relieves the user of liability for any violations occurring before or after receipt of the notice of violation.

(2) Consent orders. The superintendent is empowered to enter into consent orders, assurances of voluntary compliance, or other similar documents establishing an agreement with the industrial user responsible for the noncompliance. Such orders will include specific action to be taken by the industrial user to correct the noncompliance within a time period also specified

by the order. Consent orders shall have the same force and effect as administrative orders issued pursuant to § 18-219(4).

(3) Show cause hearing. The superintendent may order any user which causes or contributes to violation of this chapter or wastewater permit or order issued hereunder, to show cause why a proposed enforcement action should not be taken. Notice shall be served on the user specifying the time and place for the meeting, the proposed enforcement action and the reasons for such action, and a request that the user show cause why this proposed enforcement action should not be taken. The notice of the meeting shall be served personally or by registered or certified mail (return receipt requested) at least ten (10) days prior to the hearing. Such notice may be served on any principal executive, general partner or corporate officer. Whether or not a duly notified industrial user appears as noticed, immediate enforcement action may be pursued.

(4) Compliance order. When the superintendent finds that a user has violated or continues to violate the ordinance or a permit or order issued thereunder, he may issue an order to the industrial user responsible for the discharge directing that, following a specified time period, sewer service shall be discontinued unless adequate treatment facilities, devices or other related appurtenances have been installed and are properly operated. Orders may also contain such other requirements as might be reasonably necessary and appropriate to address the noncompliance, including the installation of pretreatment technology, additional self-monitoring, and management practices.

(5) Cease and desist orders. When the superintendent finds that an industrial user has violated or continues to violate this chapter or any permit or order issued hereunder, the superintendent may issue an order to cease and desist all such violations and direct those persons in noncompliance to:

(a) Comply forthwith;

(b) Take such appropriate remedial or preventive action as may be needed to properly address a continuing or threatened violation, including halting operations and terminating the discharge.

(6) Administrative fines. Notwithstanding any other section of this chapter, any user who is found to have violated any provision of this chapter, or permits and orders issued hereunder, shall be fined in an amount not to exceed one thousand dollars (\$1,000.00) per violation. Each day on which noncompliance shall occur or continue shall be deemed a separate and distinct violation. Such assessments may be added to the user's next scheduled sewer service charge and the superintendent shall have such other collection remedies as he has to collect other service charges. Unpaid charges, fines, and penalties shall constitute a lien against the individual user's property. Industrial users desiring to dispute such fines must file a request for the superintendent to reconsider the fine within ten (10) days of being notified of the fine. Where the superintendent believes a request has merit, he shall convene a hearing on the matter with fifteen (15) days of receiving the request from the industrial user.

(7) Emergency suspensions. (a) The superintendent may suspend the wastewater treatment service and/or wastewater permit of an industrial user, whenever such suspension is necessary in order to stop an actual or threatened discharge presenting or causing an imminent or substantial endangerment to the health or welfare of persons, the POTW, or the environment.

(b) Any user notified of a suspension of the wastewater treatment service and/or the wastewater permit shall immediately stop or eliminate its contribution. In the event of a user's failure to immediately comply voluntarily with the suspension order, the superintendent shall take such steps as deemed necessary including immediate severance of the sewer connection, to prevent or minimize damage to the POTW, its receiving stream, or endangerment to any individuals. The superintendent shall allow the user to recommence its discharge when the endangerment has passed unless the termination proceedings set forth in § 18-219(8) are initiated against the user.

(c) An industrial user which is responsible, in whole or part, for imminent endangerment shall submit a detailed written statement describing the causes of the harmful contribution and the measures taken to prevent any future occurrence to the superintendent prior to the date of the hearing described in paragraph (b) above.

(8) Termination of permit. Significant industrial users proposing to discharge into the POTW, must first obtain a wastewater discharge permit from the control authority. Any user who violates the following conditions of this chapter or a wastewater discharge permit or order, or any applicable or state and federal law, is subject to permit termination:

(a) Violation of permit conditions;

(b) Failure to accurately report the wastewater constituents and characteristics of its discharge;

(c) Failure to report significant changes in operations or wastewater constituents and characteristics;

(d) Refusal of reasonable access to the user's premises for the purpose of inspection, monitoring, or sampling.

Noncompliant industrial users will be notified of the proposed termination of their wastewater permit and be offered an opportunity to show cause under § 18-219(3) why the proposed action should not be taken. (1995 Code, § 18-219)

18-220. Judicial and supplemental enforcement remedies. If any person discharges sewage, industrial wastes, or other wastes into the wastewater disposal system contrary to the provisions of this chapter or any order or permit issued hereunder, the superintendent, through the city attorney, may commence an action for appropriate legal and/or equitable relief in the Circuit Court for Carroll County.

(1) Injunctive relief. Whenever an industrial user has violated or continues to violate the provisions of this chapter or permit or order issued hereunder, the superintendent, through counsel may petition the court for the issuance of a preliminary or permanent injunction or both (as may be appropriate) which restrains or compels the activities on the part of the industrial user. The superintendent shall have such remedies to collect these fees as it has to collect other sewer service charges.

(2) Civil penalties. (a) Any industrial user who has violated or continues to violate this chapter or any order or permit issued hereunder, shall be liable to the superintendent for a civil penalty of not more than one thousand dollars (\$1,000.00) plus actual damages incurred by the POTW per violation per day for as long as the violation continues. In addition to the above described penalty and damages, the superintendent may recover reasonable attorney's fees, court costs, and other expenses associated with the enforcement activities, including sampling and monitoring expenses.

(b) The superintendent shall petition the court to impose, assess, and recover such sums. In determining amount of liability, the court shall take into account all relevant circumstances, including, but not limited to, the extent of harm caused by the violation, the magnitude and duration, any economic benefit gained through the industrial user's violation, corrective actions by the industrial user, the compliance history of the user, and any other factor as justice requires.

(3) Criminal prosecution. (a) Violations - generally. (i) Any industrial user who willfully or negligently violates any provision of this chapter or any orders or permits issued hereunder shall, upon conviction, be guilty of a misdemeanor, punishable by a fine not to exceed ten thousand dollars (\$10,000.00) per violation per day or imprisonment for not more than one (1) year or both.

(ii) In the event of a second conviction, the user shall be punishable by a fine not to exceed ten thousand dollars (\$10,000.00) per violation per day or imprisonment for not more than three (3) years or both.

(b) Falsifying information. (i) Any industrial user who knowingly makes any false statements, representations, or certifications in any application, record, report, plan or other document filed or required to be maintained pursuant to this chapter, or wastewater permit, or who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required under this chapter shall upon conviction, be punished by a fine of not more than ten thousand dollars (\$10,000.00) per violation per day or imprisonment for not more than one (1) year or both.

(ii) In the event of a second conviction, the user shall be punishable by a fine not to exceed ten thousand dollars (\$10,000.00) per violation per day or imprisonment for not more than three (3) years or both.

(4) Annual publication of significant violations. The superintendent shall publish, at least annually in the largest daily newspaper circulated in the service area, a description of those industrial users which are found to be in significant non-compliance as defined in § 18-202 with any provisions of this chapter or any permit or order issued hereunder during the period since the previous publication.

(5) Performance bonds. The superintendent may decline to reissue a permit to any industrial user which has failed to comply with the provisions of this chapter or any order or previous permit issued hereunder unless such user first files with a satisfactory bond, payable to the POTW, in a sum not to exceed a value determined by the superintendent to be necessary to achieve consistent compliance.

(6) Liability insurance. The superintendent may decline to reissue a permit to any industrial user which has failed to comply with the provisions of this chapter or any order or previous permit issued hereunder, unless the industrial user first submits proof that it has obtained financial assurances sufficient to restore or repair POTW damage caused by its discharge.

(7) Water supply severance. Whenever any user has violated or continues to violate the provisions of this chapter or an order or permit issued hereunder, water service to the user may be severed and service will only recommence, at the user's expense, after it has satisfactorily demonstrated its ability to comply.

(8) Public nuisances. Any violation of the prohibitions or effluent limitations of this chapter or permit or order issued hereunder is hereby declared a public nuisance and shall be corrected or abated as directed by the superintendent or his designee. Any person(s) creating a public nuisance shall be subject to the provisions of the city code governing such nuisances, including reimbursing the POTW for any costs incurred in removing, abating, or remedying said nuisance.

(9) Informant rewards. The superintendent is authorized to pay up to five hundred dollars (\$500.00) for information leading to the discovery of noncompliance by an industrial user. In the event that the information provided results in an administrative fine or civil penalty levied against the user, the superintendent is authorized to disperse up to ten percent (10%) of the collected fine or penalty to the informant. However, a single reward payment may not exceed ten thousand dollars (\$10,000.00). (1995 Code, § 18-220)

ATTACHMENT A

Local Effluent Limits for Industrial Users

<u>Pollutant</u>	<u>Allowable Concentration (/l)</u>
Amonia	58.92
Arsenic	0.1230
Benzene	0.2460
Borate	0.1845
Cadmium	0.0369
Carbon Tetrachloride	0.1230
Chromium Hexavalent	0.8303
Chromium Trivalent	1.8450
Copper	0.0361
Cyanide	0.1476
Ethyl Benzene	1.1993
Iron	0.3690
Lead	0.0646
Mercury	0.0184
Methyl Chloride	0.8856
Napthalene	0.0923
Nickel	1.1993
Silver	0.0431
Sulfide	3.9360
Tetrachlotoethylene	0.2306
Tolulene	3.0750
1,1,1, Trichloroethane	27.6753
1,2, Transdichloroethylene	0.0693
Total Phenols	2.7675
Zinc	0.7380

CHAPTER 3

REGULATIONS GOVERNING PUBLIC AND PRIVATE SEWAGE DISPOSAL¹

SECTION

- 18-301. Definitions.
- 18-302. Use of public sewers required.
- 18-303. Private sewage disposal.
- 18-304. Building sewers and connections.
- 18-305. Use of the public sewers.
- 18-306. Protection from damage.

18-301. Definitions. Unless the context specifically indicates otherwise, the meanings of terms used in this chapter shall be as follows:

(1) "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 twenty degrees (20°) expressed in milligrams per liter.

(2) "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 feet (5') (one and one-half (1 1/2) meters) outside the inner face of the building wall.

(3) "Building sewer" shall mean the extension from the building drain to the public sewer or other place of disposal.

(4) "City" shall mean the City of McKenzie, Tennessee, duly operating under a legal charter for said city.

(5) "Garbage" shall mean solid wastes from the domestic and commercial preparation, cooking, and dispensing of food, and from the handling, storage, and sale of produce.

(6) "Industrial wastes" shall mean the liquid wastes from industrial manufacturing processes, trade, or business as distinct from sanitary sewage.

(7) "Natural outlet" shall mean any outlet into a watercourse, pond, ditch, lake, or other body of surface or ground water.

(8) "Person" shall mean any individual, firm, company, association, society, corporation, or group.

(9) "pH" shall mean the logarithm of the reciprocal of the weight of hydrogen ions in grams per liter of solution.

¹Municipal code reference

Cross connections: title 18.

(10) "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 inch (1/2") in any dimension.

(11) "Public sewer" shall mean a sewer in which all owners of abutting properties have equal rights, and is controlled by public authority.

(12) "Sanitary sewer" shall mean a sewer which carries sewage and to which storm, surface, and groundwaters are not intentionally admitted.

(13) "Sewage" shall mean a combination of the water-carried wastes from residences, business buildings, institutions, and industrial establishments, together with such ground waters as may be permitted from normal infiltration.

(14) "Sewage treatment plant" shall mean any arrangement of devices and structures used for treating sewage.

(15) "Sewage works" shall mean all facilities for collecting, pumping, treating, and disposing of sewage.

(16) "Sewer" shall mean a pipe or conduit for carrying sewage.

(17) "Shall" is mandatory; "may" is permissive.

(18) "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.

(19) "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.

(20) "Superintendent" shall mean the superintendent of the sewage works and/or of water pollution control of the city, or his authorized deputy, agent, or representative.

(21) "Suspended solids" 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.

(22) "Watercourse" shall mean a channel in which a flow of water occurs, either continuously or intermittently. (1995 Code, § 18-301)

18-302. Use of public sewers required. (1) 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, or in any area under the jurisdiction of said city, any human or animal excrement, garbage, or other objectionable waste.

(2) It shall be unlawful to discharge to any natural outlet within the city, or in any area under the jurisdiction of said city, any sewage or other polluted waters, except where suitable treatment has been provided in accordance with subsequent provisions of this chapter.

(3) Except as hereinafter provided, it shall be unlawful to construct or maintain any privy, septic tank, or other facility intended or used for the disposal of sewage.

(4) The owner of property when new construction is in progress is hereby required to connect to the City of McKenzie Sanitary Sewer System immediately, provided sewer is available to the property. The owner of existing property shall connect to the City Sanitary Sewer System, if available to the property, when the Carroll County Health Officer properly declares the existing septic system of such property to be a health hazard. (1995 Code, § 18-302)

18-303. Private sewage disposal. (1) Where a public sanitary sewer is not available under the provisions of § 18-302(4), the building sewer shall be connected to a private sewage disposal system complying with the provisions of this section.

(2) Before commencement of construction of a private sewage disposal system, the owner shall first obtain a written permit signed by the superintendent. The owner shall cooperate with the superintendent by furnishing him a construction schedule and any plans and specifications which are deemed necessary.

(3) A permit for a private sewage disposal system shall not become effective until the installation is completed to the satisfaction of the superintendent. He shall be allowed to inspect the work at any stage of construction, and, in any event, the applicant for the permit shall notify the superintendent when the work is ready for final inspection, and before any underground portions are covered.

(4) The type, capacities, location, and layout of a private sewage disposal system shall comply with all recommendations of the Department of Environment and Conservation of the State of Tennessee. No permit shall be issued for any private sewage disposal system employing subsurface soil absorption facilities where the area of the lot is less than that required as determined by the standard percolation tests. No septic tank shall be permitted to discharge to any natural outlet.

(5) At such time as a public sewer becomes available to a property served by a private sewage disposal system, as provided in § 18-302(4), a direct connection shall be made to the public sewer in compliance with this chapter, and any septic tanks and similar private sewage disposal facilities shall be abandoned and filled with suitable material.

(6) The owner shall operate and maintain the private sewage disposal facilities in a sanitary manner at all times, at no expense to the city.

(7) No statement contained in this chapter shall be construed to interfere with any additional requirements that may be imposed by the health officer.

(8) When a public sewer becomes available, the building sewer shall be connected to said sewer within sixty (60) days and the private sewage

disposal system shall be cleaned of sludge and filled with clean bank-run gravel or dirt. (1995 Code, § 18-303, modified)

18-304. Building sewers and connections. (1) 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 superintendent.

(2) There shall be two (2) classes of building sewer permits:

(a) For residential and commercial service; and

(b) For service to establishments producing industrial wastes.

In either case, the owner or his agent shall make written application to the city. The permit application shall be supplemented by any plans, specifications, or other information considered pertinent in the judgment of the superintendent.

(3) 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.

The property owner shall be responsible for the maintenance of the sewer line from the main line of the sewer to the structure.

(4) A separate and independent building sewer shall be provided for every building; except where one building stands at the rear 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 rear building and the whole considered as one building sewer.

(5) Old building sewers may be used in connection with new buildings only when they are found, on examination and test by the superintendent, to meet all requirements of this chapter.

(6) The size, slope, alignment, materials of construction 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 codes or other applicable rules and regulations of the city. In the absence of code provisions or in amplification thereof, the materials and procedures set forth in appropriate specifications of the ASTM and WPCF Manual of Practice No. 9 shall apply.

(7) 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, the sanitary sewage carried by such building drain shall be lifted by an approved means and discharged to the building sewer.

(8) No person shall make connections of roof downspouts, exterior foundation drains, areaway drains, or other sources of surface runoff or groundwater to a building sewer or building drain which in turn is connected directly or indirectly to a public sanitary sewer.

(9) The connection of the building sewer into the public sewer shall conform to the requirements of the building and plumbing codes or other applicable rules and regulations of the city, or the procedures set forth in appropriate specifications of the ASTM and the WPCF Manual of Practice No. 9. All such connections shall be made gastight and watertight. Any deviation from the prescribed procedures and materials must be approved by the superintendent before installation.

(10) The applicant for the building sewer permit shall notify the superintendent when the building sewer is ready for inspection and connection to the public sewer. The connection shall be made under the supervision of the superintendent or his representative.

(11) All excavations for building sewer installations 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. (1995 Code, § 18-304)

18-305. Use of the public sewers. (1) No person shall discharge or cause to be discharged any stormwater, surface water, ground water, roof runoff, subsurface drainage, uncontaminated cooling water, or unpolluted industrial process waters to any sanitary 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 superintendent. Industrial cooling water or unpolluted process waters may be discharged, on approval of the superintendent, 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 gasoline, benzene, naphtha, fuel oil, or other flammable or explosive liquid, solid, or gas.

(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, constitute a hazard to humans or animals, create a public nuisance, or create any hazard in the receiving waters of the sewage treatment plant, including but not limited to cyanides in excess of two (2) mg/l as CN in the wastes as discharged to the public sewer.

(c) Any waters or wastes having a pH lower than 5.5, or having any other corrosive property capable of causing damage or hazard to structures, equipment, or 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.

(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 superintendent that such wastes can harm either the sewers, sewage treatment process, or equipment, have an adverse effect on the receiving stream, or can otherwise endanger life, limb, or public property, or constitute a nuisance. In forming his opinion as to the acceptability of these wastes, the 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 degrees (150°) F (sixty-five degrees (65°)) C.

(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 degrees (32°) and one hundred fifty degrees (150°) F (zero degrees (0°) and sixty-five degrees (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 (3/4) horsepower or greater shall be subject to the review and approval of the superintendent.

(d) Any waters or wastes containing strong acid iron pickling wastes, or concentrated plating solutions whether neutralized or not.

(e) Any waters or wastes containing iron, chromium, copper, zinc, and similar objectionable or toxic substances; or wastes exerting an excessive chlorine requirement, to such a degree that any such material received in the composite sewage at the sewage treatment works exceeds the limits established by the 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 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 discharges to the receiving waters.

(g) Any radioactive wastes or isotopes of such half-life or concentration as may exceed limits established by the superintendent in compliance with applicable state or federal regulations.

(h) Any waters or wastes having a pH in excess of 9.5.

(i) 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.

(j) Waters or wastes containing substances which are not amenable to treatment or reduction by the sewage treatment processes 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.

(5) If any waters or wastes are discharged, or are proposed to be discharged to the public sewers, which waters contain the substances or possess the characteristics enumerated in subsection (4) of this section and which in the judgment of the superintendent, may have a deleterious effect upon the sewage works, processes, equipment, or receiving waters, or which otherwise create a hazard to life or constitute a public nuisance, the superintendent may:

(a) Reject the wastes;

(b) Require pretreatment to an acceptable condition for discharge to the public sewers;

(c) Require control over the quantities and rates of discharge; 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 § 18-215.

If the superintendent permits the pretreatment or equalization of waste flows, the design and installation of the plants and equipment shall be subject to the review and approval of the superintendent, and subject to the and review of all applicable reviewing authorities.

(6) Grease, oil, and sand interceptors shall be provided when, in the opinion of the 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 be of a type and capacity approved by the superintendent and shall be located as to be readily and easily accessible for cleaning and inspection.

(7) 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.

(8) When required by the 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 accessibly and safely located and shall be constructed in accordance with plans approved by the 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.

(9) All measurements, tests, and analyses of the characteristics of waters and wastes to which reference is made in this chapter shall be determined in accordance with the latest edition of Standard Methods for the Examination of Water and Wastewater, published by the American Public Health Association, 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 downstream manhole in the public sewer nearest 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. (The particular analyses involved will determine whether a twenty-four (24) hour composite of all outfalls of a premise is appropriate or whether a grab sample or samples should be taken. Normally, but not always, BOD and suspended solids analyses are obtained from twenty-four (24) hour composites of all outfalls whereas pHs are determined from periodic grab samples.)

(10) No statement contained in this section 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. (1995 Code, § 18-305)

18-306. 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. Any person violating this provision shall be subject to immediate arrest under charge of disorderly conduct. (1995 Code, § 18-306)

CHAPTER 4**CROSS CONNECTIONS, AUXILIARY INTAKES, ETC.**¹**SECTION**

- 18-401. Definitions.
- 18-402. Standards.
- 18-403. Construction, operation, and supervision.
- 18-404. Statement required.
- 18-405. Inspections required.
- 18-406. Right of entry for inspections.
- 18-407. Correction of existing violations.
- 18-408. Use of protective devices.
- 18-409. Unpotable water to be labeled.
- 18-410. Violations.

18-401. Definitions. The following definitions and terms shall apply in the interpretation and enforcement of this chapter:

(1) "Auxiliary intake." Any piping connection or other device whereby water may be secured from a source other than that normally used.

(2) "Bypass." Any system of piping or other arrangement whereby the water may be diverted around any part or portion of a water purification plant.

(3) "Cross connection." Any physical connection whereby the public water supply is connected with any other water supply system, whether supply system, whether public or private, either inside or outside of any building or buildings, in such manner that a flow of water into the public water supply is possible either through the manipulation of valves or because of any other arrangement.

(4) "Interconnection." Any system of piping or other arrangement whereby the public water supply is connected directly with a sewer, drain, conduit, pool, storage reservoir, or other device which does or may contain sewage or other waste or liquid which would be capable of imparting contamination to the public water supply.

(5) "Person." Any and all persons, natural or artificial, including any individual, firm, or association, and any municipal or private corporation organized or existing under the laws of this or any other state or country.

(6) "Public water supply." The waterworks system furnishing water to the municipality for general use and which supply is recognized as the public water supply by the Tennessee Department of Health. (1995 Code, § 18-401)

¹Municipal code references

Water and sewer system administration: title 18.

Wastewater treatment: title 18.

18-402. Standards. The municipal public water supply is to comply with Tennessee Code Annotated, §§ 68-221-701 through 68-221-720 as well as the rules and regulations for public water supplies, legally adopted in accordance with this code, which pertain to cross connections, auxiliary intakes, bypasses, and interconnections, and establish an effective ongoing program to control these undesirable water uses. (1995 Code, § 18-402)

18-403. Construction, operation, and supervision. It shall be unlawful for any person to cause a cross connection to be made, or allow one to exist for any purpose whatsoever, unless the construction and operation of same have been approved by the Tennessee Department of Environment and Conservation and the operation of such cross connection, auxiliary intake, bypass or interconnection is at all times under the direct supervision of the waterworks of the McKenzie Water Department. (1995 Code, § 18-403, modified)

18-404. Statement required. Any person whose premises are supplied with water from the public water supply and who also has on the same premises a separate source of water supply, or stores water in an uncovered or unsanitary storage reservoir from which the water stored therein is circulated through a piping system, shall file with the superintendent of the McKenzie Water Department a statement of the non-existence of unapproved or unauthorized cross connections, auxiliary intakes, bypasses, or interconnections. Such statement shall also contain an agreement that no cross connection, auxiliary intake, bypass, or interconnection will be permitted upon the premises. (1995 Code, § 18-404)

18-405. Inspections required. It shall be the duty of the McKenzie Water Department of the waterworks to cause inspections to be made of all properties served by the public water supply where cross connections with the public water supply are deemed possible. The frequency of inspections and reinspection, based on potential health hazards involved, shall be established by the superintendent of the waterworks and as approved by the Tennessee Department of Environment and Conservation. (1995 Code, § 18-405, modified)

18-406. Right of entry for inspections. The superintendent of waterworks or his authorized representative shall have the right to enter, at any reasonable time, any property served by a connection to the public water supply for the purpose of inspecting the piping system or systems therein for cross connections, auxiliary intakes, bypasses, or interconnections. On request, the owner, lessee, or occupant of any property so served shall furnish to the inspection agency any pertinent information regarding the piping system or systems on such property. The refusal of such information or refusal of access,

when requested, shall be deemed evidence of the presence of cross connections. (1995 Code, § 18-406)

18-407. Correction of existing violations. Any person who now has cross connections, auxiliary intakes, bypasses, or interconnections in violation of the provisions of this chapter shall be allowed a reasonable time within which to comply with the provisions of this chapter. After a thorough investigation of existing conditions and an appraisal of the time required to complete the work, the amount of time shall be designated by the superintendent of the waterworks.

The failure to correct conditions threatening the safety of the public water system as prohibited by this chapter and the Tennessee Code Annotated, § 68-221-711, within a reasonable time and within the time limits set by the superintendent of the waterworks shall be grounds for denial of water service. If proper protection has not been provided after a reasonable time, the utility shall give the customer legal notification that water service is to be discontinued and shall physically separate the public water supply from the customer's on-site piping system in such a manner that the two systems cannot again be connected by an unauthorized person.

Where cross connections, interconnections, auxiliary intakes, or bypasses are found that constitute an extreme hazard of immediate concern of contaminating the public water system, the management of the water supply shall require that immediate corrective action be taken to eliminate the threat to the public water system. Immediate steps shall be taken to disconnect the public water supply from the on-site piping system unless the imminent hazard(s) is (are) corrected immediately. (1995 Code, § 18-407)

18-408. Use of protective devices. Where the nature of use of the water supplied a premises by the water department is such that it is deemed:

(1) Impractical to provide an effective air-gap separation.
(2) That the owner and/or occupant of the premises cannot, or is not willing, to demonstrate to the official in charge of the water supply, or his designated representative, that the water use and protective features of the plumbing are such as to propose no threat to the safety or potability of the water supply.

(3) That the nature and mode of operation within a premises are such that frequent alterations are made to the plumbing.

(4) There is a likelihood that protective measures may be subverted, altered, or disconnected, the superintendent of the McKenzie Water Department or his designated representative, shall require the use of an approved protective device on the service line serving the premises to assure that any contamination that may originate in the customer's premises is contained therein. The protective device shall be a reduced pressure zone type backflow preventer approved by the Tennessee Department of Health as to manufacture, model, and

size. The method of installation of backflow protective devices shall be approved by the superintendent of the waterworks prior to installation and shall comply with the criteria set forth by the Tennessee Department of Environment and Conservation. The installation shall be at the expense of the owner or occupant of the premises.

Personnel of the municipal public water supply shall have the right to inspect and test the device or devices on an annual basis or whenever deemed necessary by the superintendent of the waterworks or his designated representative. Water service shall not be disrupted to test the device without the knowledge of the occupant of the premises.

Where the use of water is critical to the continuance of normal operations or protection of life, property, or equipment, duplicate units shall be provided to avoid the necessity of discontinuing water service to test or repair the protective device or devices. Where it is found that only one (1) unit has been installed and the continuance of service is critical, the water department shall notify, in writing, the occupant of the premises of plans to discontinue water service and arrange for a mutually acceptable time to test and/or repair the device. The superintendent shall require the occupant of the premises to make all repairs indicated promptly, to keep the unit(s) working properly, and the expense of such repairs shall be borne by the owner or occupant of the premises. Repairs shall be made by qualified personnel acceptable to the superintendent of the McKenzie Water Department.

The failure to maintain backflow prevention devices in proper working order shall be grounds for discontinuing water service to a premises. Likewise, the removal, bypassing, or altering of the protective devices or the installation thereof so as to render the devices ineffective shall constitute grounds for discontinuance of water service. Water service to such premises shall not be restored until the customer has corrected or eliminated such conditions or defects to the satisfaction of the superintendent of the water department. (1995 Code, § 18-408)

18-409. Unpotable water to be labeled. In order that the potable water supply made available to premises served by the public water supply shall be protected from possible contamination as specified herein, any water outlet which could be used for potable or domestic purposes and which is not supplied by the potable system must be labeled in a conspicuous manner as:

WATER UNSAFE
FOR DRINKING

The minimum acceptable sign shall have black letters at least one inch (1") high located on a red background. (1995 Code, § 18-409)

18-410. Violations. The requirements contained herein shall apply to all premises served by the municipal water system whether located inside or outside the corporate limits and are hereby made a part of the conditions required to be met for the municipality to provide water services to any premises. Such action, being essential for the protection of the water distribution system against the entrance of contamination which may render the water unsafe healthwise, or otherwise undesirable, shall be enforced rigidly without regard to location of the premises, whether inside or outside the corporate limits.

Any person who neglects or refuses to comply with any of the provisions of this chapter shall be deemed guilty of a misdemeanor and, upon conviction therefor, shall be fined under the general penalty clause for this municipal code of ordinances. (1995 Code, § 18-410)