

TITLE 18

WATER AND SEWERS¹

CHAPTER

1. WATER AND SEWER SYSTEM ADMINISTRATION.
2. WASTEWATER REGULATIONS.
3. CROSS CONNECTIONS, AUXILIARY INTAKES, ETC.

CHAPTER 1

WATER AND SEWER SYSTEM ADMINISTRATION²

SECTION

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¹Municipal code references

Building and utility codes: title 12.
Refuse disposal: title 17.

²Municipal code reference

Plumbing code: title 12, chapter 2.

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18-101. Application and scope. The provisions of this chapter are a part of all contracts for receiving water and sewer service from the city and shall apply whether the service is based upon contract, agreement, signed application, or otherwise.

18-102. Definitions. (1) "Customer" means any person, firm, or corporation who receives water and/or sewer service from the city under either an express or implied contract.

(2) "Dwelling" means any single residential unit or house occupied for residential purposes. Each separate apartment unit, duplex unit or other multiple dwelling unit shall be considered a separate dwelling.

(3) "Premise" means any structure or group of structures operated as a single business or enterprise, provided, however, the term "premise" shall not include more than one (1) dwelling.

(4) "Service line" shall consist of the pipe line extending from any water or sewer main of the city to private property. Where a meter and meter box are located on private property, the service line shall be construed to include the pipe line extending from the city's water main to and including the meter and meter box.

18-103. Application and contract for service. Each prospective customer desiring water and/or sewer service at a property they are paying rent on will be required to sign a standard form contract and pay one hundred dollars (\$100.00) before service is supplied. Fifty (50) of the one hundred dollars (\$100.00) shall be a deposit and fifty (50) shall be a cut on fee. The deposit shall be refundable if the city cannot supply service in accordance with the terms of this chapter or if, upon request of termination of service, the account has a zero balance. If, for any reason, a customer, after signing a contract for service, does not take such service by reason of not occupying the premises or otherwise, he shall reimburse the city for the expense incurred by reason of its endeavor to furnish such service.

The receipt of a prospective customer's application for service, shall not obligate the city to render the service applied for. If the service applied for cannot be supplied in accordance with the provisions of this chapter, the liability of the city to the applicant shall be limited to the return of any deposit made by such applicant.

18-104. Service charges for temporary service. Customers requiring temporary service shall pay all costs for connection and disconnection incidental to the supplying and removing of service in addition to the regular charge for water and/or sewer service.

18-105. Connection charges. Service lines will be laid by the city from its mains to the property line at the expense of the applicant for service. The location of such lines will be determined by the city.

Before a new water or sewer service line will be laid by the city, the applicant shall pay a nonrefundable tap fee of five hundred dollars (\$500.00) at property inside the Cowan city limits and one thousand dollars (\$1,000.00) outside the Cowan city limits.

When a service line is completed, the city shall be responsible for the maintenance and upkeep of such service line from the main to and including the meter and meter box, and such portion of the service line shall belong to the city. The remaining portion of the service line beyond the meter box (or property line, in the case of sewers) shall belong to and be the responsibility of the customer.

18-106. Water and sewer main extensions.¹ Persons desiring water and/or sewer main extensions must pay all of the cost of making such extensions.

All such extensions shall be installed either by city forces or by other forces working directly under the supervision of the city in accordance with plans and specifications prepared by an engineer registered with the State of Tennessee.

Upon completion of such extensions and their approval by the city, such water and/or sewer mains shall become the property of the city. The persons paying the cost of constructing such mains shall execute any written instruments requested by the city to provide evidence of the city's title to such mains. In consideration of such mains being transferred to it, the city shall incorporate said mains as an integral part of the municipal water and sewer systems and shall furnish water and sewer service therefrom in accordance with these rules and regulations, subject always to such limitations as may exist because of the size and elevation of the mains.

18-107. Water and sewer main extension variances. Whenever the city council is of the opinion that it is to the best interest of the city and its inhabitants to construct a water and/or sewer main extension without requiring strict compliance with the preceding section, such extension may be constructed upon such terms and conditions as shall be approved by the city council.

The authority to make water and/or sewer main extensions under the preceding section is permissive only and nothing contained therein shall be construed as requiring the city to make such extensions or to furnish service to any person or persons.

¹Municipal code reference

Construction of building sewers: title 18, chapter 2.

18-108. Meters. All meters shall be installed, tested, repaired, and removed only by the city.

No one shall do anything which will in any way interfere with or prevent the operation of a meter. No one shall tamper with or work on a water meter without the written permission of the city. No one shall install any pipe or other device which will cause water to pass through or around a meter without the passage of such water being registered fully by the meter.

18-109. Meter tests. The city will, at its own expense, make routine tests of meters when it considers such tests desirable.

In testing meters, the water passing through a meter will be weighed or measured at various rates of discharge and under varying pressures. To be considered accurate, the meter registration shall check with the weighed or measured amounts of water within the percentage shown in the following table:

<u>Meter Size</u>	<u>Percentage</u>
5/8", 3/4", 1", 2"	2%
3"	3%
4"	4%
6"	5%

The city will also make tests or inspections of its meters at the request of the customer. However, if a test required by a customer shows a meter to be accurate within the limits stated above, the customer shall pay a meter testing charge in the amount stated in the following table:

<u>Meter Size</u>	<u>Test Charge</u>
5/8", 3/4", 1"	\$12.00
1 1/2", 2"	15.00
3"	18.00
4"	22.00
6" and over	30.00

If such test show a meter not to be accurate within such limits, the cost of such meter test shall be borne by the city.

18-110. Multiple services through a single meter. No customer shall supply water service to more than one dwelling, premise, duplex unit, apartment or other multiple dwelling unit from a single service line and meter without first obtaining the written permission of the city.

Where the city allows more than one dwelling, premise, duplex unit, apartment or other multiple dwelling unit to be served through a single service line and meter, the amount of water used by all the dwellings, premises, duplex

units, apartments or other multiple dwelling units served through a single service line and meter shall be allocated to each separate dwelling, premise, duplex unit, apartment or other multiple dwelling unit served. The water charge of each such dwelling, premise, duplex unit, apartment or other multiple dwelling unit thus served shall be computed just as if each such dwelling, premise, duplex unit, apartment or other multiple dwelling unit had received through a separately metered service the amount of water so allocated to it, such computation to be made at the city's applicable water rates schedule, including the provisions as to minimum bills. The separate charges for each dwelling, premise, duplex unit, apartment or other multiple dwelling unit served through a single service line meter shall then be added together, and the sum thereof shall be billed to the customer in whose name the service is supplied.

18-111. Customer billing and payment policy. Water and sewer bills shall be rendered monthly and shall designate a standard net payment period for all members of not less than fifteen (15) days after the date of the bill. Failure to receive a bill will not release a customer from payment obligation. There is established for all members a late payment charge not to exceed ten percent (10%) for any portion of the bill paid after the net payment period.

Payment must be received in the water and sewer department no later than 5:00 P.M. on the due date. If the due date falls on Saturday, Sunday, or a holiday, net payment will be accepted if paid on the next business day no later than 5:00 P.M.

If a meter fails to register properly, or if a meter is removed to be tested or repaired, or if water is received other than through a meter, the city reserves the right to render an estimated bill based on the best information available.

18-112. Termination or refusal of service. (1) Basis of termination or refusal. The city shall have the right to discontinue water and sewer service or to refuse to connect service for a violation of, or a failure to comply with , any of the following:

- (a) These rules and regulations, including the nonpayment of bills;
- (b) The customer's application for service;
- (c) The customer's contract for service.

The right to discontinue service shall apply to all water and sewer services received through collective single connections or services, even though more than one (1) customer or tenant is furnished services therefrom, and even though the delinquency or violation is limited to only one such customer or tenant.

(2) Termination of service. If bills for water, sewer, and garbage pickup are not paid by 8:00 A.M. on the morning of the 26th day of the month (except when the 25th falls on a Saturday, Sunday, or holiday), service will be

discontinued without notice, and a twenty-five dollar (\$25.00) reconnect fee, in addition to the unpaid bill, must be paid before service is continued.

18-113. Termination of service by customer. Customers who have fulfilled their contract terms and wish to discontinue service must give at least three (3) days written notice to that effect unless the contract specifies otherwise. Notice to discontinue service prior to the expiration of a contract term will not relieve the customer from any minimum or guaranteed payment under such contract or applicable rate schedule.

When service is being furnished to an occupant of premises under a contract not in the occupant's name, the city reserves the right to impose the following conditions on the right of the customer to discontinue service under such a contract:

(1) Written notice of the customer's desire for such service to be discontinued may be required; and the city shall have the right to continue such service for a period of not to exceed ten (10) days after receipt of such written notice, during which time the customer shall be responsible for all charges for such service. If the city should continue service after such ten (10) day period subsequent to the receipt of the customer's written notice to discontinue service, the customer shall not be responsible for charges for any service furnished after the expiration of the ten (10) day period.

(2) During the ten (10) day period, the occupant of premises to which service has been ordered discontinued by a customer other than such occupant, may be allowed by the city to enter into a contract for service in the occupant's own name upon the occupant's complying with these rules and regulations with respect to a new application for service.

18-114. Access to customers' premises. The city's identified representatives and employees shall be granted access to all customers' premises at all reasonable times for the purpose of reading meters, for testing, inspecting, repairing, removing, and replacing all equipment belonging to the city, and for inspecting customers' plumbing and premises generally in order to secure compliance with these rules and regulations.

18-115. Inspections. The city shall have the right, but shall not be obligated to inspect any installation or plumbing system before water and/or sewer service is furnished or at any later time. The city reserves the right to refuse service or to discontinue service to any premises not in compliance with any special contract, these rules and regulations, or other requirements of the city.

Any failure to inspect or reject a customer's installation or plumbing system shall not render the city liable or responsible for any loss or damage which might have been avoided had such inspection or rejection been made.

18-116. Customer's responsibility for system's property. Except as herein elsewhere expressly provided, all meters, service connections, and other equipment furnished by or for the city shall be and remain the property of the city. Each customer shall provide space for and exercise proper care to protect the property of the city on his premises. In the event of loss or damage to such property arising from the neglect of a customer to care for it properly, the cost of necessary repairs or replacements shall be paid by the customer.

18-117. Customer's responsibility for violations. Where the city furnishes water and/or sewer service to a customer, such customer shall be responsible for all violations of these rules and regulations which occur on the premises so served. Personal participation by the customer in any such violations shall not be necessary to impose such personal responsibility on him.

18-118. Supply and resale of water. All water shall be supplied within the city exclusively by the city, and no customer shall, directly or indirectly, sell, sublet, assign, or otherwise dispose of the water or any part thereof except with written permission from the city.

18-119. Unauthorized use of or interference with water supply. No person shall turn on or turn off any of the city's stop cocks, valves, hydrants, spigots, or fire plugs without permission or authority from the city.

18-120. Limited use of unmetered private fire line. Where a private fire line is not metered, no water shall be used from such line or from any fire hydrant thereon, except to fight fire or except when being inspected in the presence of an authorized agent of the city.

All private fire hydrants shall be sealed by the city, and shall be inspected at regular intervals to see that they are in proper condition and that no water is being used therefrom in violation of these rules and regulations. When the seal is broken on account of fire, or for any other reason, the customer taking such service shall immediately give the city a written notice of such occurrence.

18-121. Damages to property due to water pressure. The city shall not be liable to any customer for damages caused to his plumbing or property by high pressure, low pressure, or fluctuations in pressure in the city's water mains.

18-122. Liability for cutoff failures. The city's liability shall be limited to the forfeiture of the right to charge a customer for water that is not used but is received from a service line under any of the following circumstances:

(1) After receipt of at least ten (10) days' written notice to cut off water service, the city has failed to cut off such service.

(2) The city has attempted to cut off a service but such service has not been completely cut off.

(3) The city has completely cut off a service but subsequently the cutoff develops a leak or is turned on again so that water enters the customer's pipes from the city's main.

Except to the extent stated above, the city shall not be liable for any loss or damage resulting from cutoff failures. If a customer wishes to avoid possible damage for cutoff failures, the customer shall rely exclusively on privately owned cutoffs and not on the city's cutoff. Also, the customer (and not the city) shall be responsible for seeing that his plumbing is properly drained and is kept properly drained, after his water service has been cut off.

18-123. Restricted use of water. In times of emergencies or in times of water shortage, the city reserves the right to restrict the purposes for which water may be used by a customer and the amount of water which a customer may use.

18-124. Interruption of service. The city will endeavor to furnish continuous water and sewer service, but does not guarantee to the customer any fixed pressure or continuous service. The city shall not be liable for any damages for any interruption of service whatsoever.

In connection with the operation, maintenance, repair, and extension of the municipal water and sewer systems, the water supply may be shut off without notice when necessary or desirable, and each customer must be prepared for such emergencies. The city shall not be liable for any damages from such interruption of service or for damages from the resumption of service without notice after any such interruption.

18-125. Schedule of rates. All water and sewer service shall be furnished under such rate schedules as the city may from time to time adopt by appropriate ordinance or resolution.¹

¹Administrative ordinances and resolutions are of record in the office of the city recorder.

CHAPTER 2

WASTEWATER REGULATIONS

SECTION

- 18-201. Purpose and policy.
- 18-202. Definitions.
- 18-203. Connection to public sewers.
- 18-204. Septic tank effluent pump or grinder pump wastewater systems.
- 18-205. Private domestic wastewater disposal.
- 18-206. Regulation of holding tank waste disposal or trucked in waste.
- 18-207. Discharge regulations.
- 18-208. Application for domestic wastewater connection and industrial wastewater discharge permits.
- 18-209. Industrial user monitoring, inspection reports, records access, and safety.
- 18-210. Enforcement and abatement.
- 18-211. Fees and billing.
- 18-212. Validity.

18-201. Purpose and policy. This chapter sets forth uniform requirements for the disposal of wastewater in the service area of the City of Cowan, Tennessee wastewater treatment system. The objectives of this chapter are:

- (1) To protect the public health;
- (2) To provide problem free wastewater collection and treatment service;
- (3) To prevent the introduction of pollutants into the municipal wastewater treatment system, which will interfere with the system operation, which will cause the system discharge to violate its National Pollutant Discharge Elimination System (NPDES) permit or other applicable state requirements, or which will cause physical damage to the wastewater treatment system facilities;
- (4) To provide for full and equitable distribution of the cost of the wastewater treatment system;
- (5) To enable the city to comply with the provisions of the Federal Water Pollution Control Act, the General Pretreatment Regulations (40 CFR part 403), and the Tennessee Water Quality Control Act, Tennessee Code Annotated, § 69-3-123, et seq.;
- (6) To improve the opportunity to recycle and reclaim wastewaters and sludges from the wastewater treatment system.

In meeting these objectives, this chapter provides that all persons in the service area of the city must have adequate wastewater treatment either in the form of a connection to the municipal wastewater treatment system or, where

the system is not available, an appropriate private disposal system. The chapter also provides for the issuance of permits to system users, for the regulations of wastewater discharge volume and characteristics, for monitoring and enforcement activities; and for the setting of fees for the full and equitable distribution of costs resulting from the operation, maintenance, and capital recovery of the wastewater treatment system and from other activities required by the enforcement and administrative program established herein.

This chapter shall apply to the city and to persons outside the city who are, by contract or agreement with the city, users of the municipal wastewater treatment system. Except as otherwise provided herein, the local administrative officer of the city shall administer, implement, and enforce the provisions of this chapter.

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 Tennessee Department of Environment and Conservation, Division of Water Pollution Control.

(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 for five (5) days at 20° centigrade expressed in terms of weight concentration (milligrams per liter (mg/l)).

(5) "Building sewer." A sewer conveying wastewater from the premises of a user to the publicly owned sewer collection system.

(6) "Categorical standards." The National Categorical Pretreatment Standards or pretreatment standard.

(7) "City." The City Council, City of Cowan, Tennessee.

(8) "Commissioner." The commissioner of environment and conservation or the commissioner's duly authorized representative and, in the event of the commissioner's absence or a vacancy in the office of commissioner, the deputy commissioner.

(9) "Compatible pollutant." Shall mean BOD, suspended solids, pH, fecal coliform bacteria, and such additional pollutants as are now or may in the

future be specified and controlled in the city's NPDES permit for its wastewater treatment works where sewer works have been designed and used to reduce or remove such pollutants.

(10) "Control authority." The term "control authority" shall refer to the "approval authority," defined hereinabove; or the local hearing authority if the city has an approved pretreatment program under the provisions of 40 CFR 403.11.

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

(12) "Customer." Any individual, partnership, corporation, association, or group who receives sewer service from the city under either an express or implied contract requiring payment to the city for such service.

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

(14) "Domestic wastewater." Wastewater that is generated by a single family, apartment or other dwelling unit or dwelling unit equivalent or commercial establishment containing sanitary facilities for the disposal of wastewater and used for residential or commercial purposes only.

(15) "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.

(16) "Garbage." Solid wastes generated from any domestic, commercial or industrial source.

(17) "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 is collected over a period of time not to exceed fifteen (15) minutes. Grab sampling procedure: Where composite sampling is not an appropriate sampling technique, a grab sample(s) shall be taken to obtain influent and effluent operational data. Collection of influent grab samples should precede collection of effluent samples by approximately one detention period. The detention period is to be based on a twenty-four (24) hour average daily flow value. The average daily flow used will be based upon the average of the daily flows during the same month of the previous year. Grab samples will be required, for example, where the parameters being evaluated are those, such as cyanide and phenol, which may not be held for any extended period because of biological, chemical or physical interactions which take place after sample collection and affect the results.

(18) "Grease interceptor." An interceptor whose rated flow is 50 g.p.m. or less and is generally located inside the building.

(19) "Grease trap." An interceptor whose rated flow is 50 g.p.m. or more and is located outside the building.

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

(21) "Incompatible pollutant." Any pollutant which is not a "compatible pollutant" as defined in this section.

(22) "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).

(23) "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).

(24) "Industrial wastes." Any liquid, solid, or gaseous substance, or combination thereof, or form of energy including heat, resulting from any process of industry, manufacture, trade, food processing or preparation, or business or from the development of any natural resource.

(25) "Interceptor." A device designed and installed to separate and retain for removal, by automatic or manual means, deleterious, hazardous or undesirable matter from normal wastes, while permitting normal sewage or waste to discharge into the drainage system by gravity.

(26) "Interference." The inhibition or disruption of the municipal wastewater processes or operations which contribute 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 including 40 CFR 503, guidelines, or regulations developed pursuant to the Solid Waste Disposal Act (SWDA), Rules and Regulations of the State of Tennessee, chapter 1200-1-7 (Solid Waste Processing and Disposal), 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 municipal wastewater treatment system.

(27) "Local administrative officer." The chief administrative officer of the local hearing authority.

(28) "Local hearing authority." The city council or such person or persons appointed by the council to administer and enforce the provisions of this chapter and conduct hearings pursuant to § 18-210.

(29) "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.

(30) "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.

(31) "NPDES (National Pollution Discharge Elimination System)." The program for issuing, conditioning, and denying permits for the discharge of pollutants from point sources into navigable waters, the contiguous zone, and the oceans pursuant to section 402 of the Federal Water Pollution Control Act as amended.

(32) "Person." Any individual, partnership, co-partnership, 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 and the singular shall include the plural where indicated by the context.

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

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

(35) "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.

(36) "POTW treatment plant." That portion of the POTW designed to provide treatment to wastewater.

(37) "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 other means, except through dilution as prohibited by 40 CFR section 403.6(d).

(38) "Pretreatment coordinator." The person designated by the local administrative officer or his authorized representative to supervise the operation of the pretreatment program.

(39) "Pretreatment requirements." Any substantive or procedural requirement related to pretreatment other than a national pretreatment standard imposed on an industrial user.

(40) "Publicly owned treatment works (POTW)." A treatment works as defined by section 212 of the Act, (33 U.S.C. 1292) which is owned in this instance by the city. This definition includes any sewers that convey wastewater to the POTW treatment plant, but does not include pipes, sewers or other conveyances not connected to a facility providing treatment. For the

purposes of this chapter, "POTW" shall also include any sewers that convey wastewaters to the POTW from persons outside the city, who are, by contract or agreement with the city users of the city's POTW.

(41) "Shall" is mandatory; "May" is permissive.

(42) "Significant industrial user." The term significant industrial user means:

(a) All industrial users subject to categorical pretreatment standards under 40 CFR 403.6 and 40 CFR chapter I, subchapter N; and

(b) 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, non-contract cooling and boiler blowdown wastewater); contributes a process wastestream which makes up five (5) percent 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 CFR 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 CFR 403.8(f)(6)).

(43) "Significant noncompliance." Per 40 CFR 403.8(f)(2)vii.

(a) Chronic violations of wastewater discharge limits, defined here as those in which sixty-six (66) percent 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 (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 under 40 CFR 403.8(f)(1)(vi)(B) 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 their 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 of implementation of the local pretreatment program.

(i) Continuously monitored pH violations that exceed limits for a time period greater than fifty (50) minutes or exceed limits by more than 0.5 s.u. more than eight (8) times in four (4) hours.

(44) "Slug." Any discharge at a flow rate or concentration which could cause a violation of the prohibited discharge standards in § 18-207 of this chapter or any discharge of a non-routine, episodic nature, including but not limited to, an accidental spill or a non-customary batch discharge.

(45) "Standard industrial classification (SIC)." A classification pursuant to the Standard Industrial Classification Manual issued by the Executive Office of the President, Office of Management and Budget, 1972.

(46) "State." State of Tennessee.

(47) "Storm sewer" or "storm drain." A pipe or conduit which carries storm and surface waters and drainage, but excludes sewage and industrial wastes. It may, however, carry cooling waters and unpolluted waters, upon approval of the superintendent.

(48) "Storm water." Any flow occurring during or following any form of natural precipitation and resulting therefrom.

(49) "Superintendent." The local administrative officer or person designated by him to supervise the operation of the publicly owned treatment works and who is charged with certain duties and responsibilities by this chapter, or his duly authorized representative.

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

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

(52) "Twenty-four (24) hour flow proportional composite sample." A sample consisting of several sample portions collected during a twenty-four (24) hour period in which the portions of a sample are proportioned to the flow and combined to form a representative sample.

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

(54) "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.

(55) "Wastewater treatment systems." Defined the same as POTW.

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

18-203. Connection to public sewers. (1) Requirements for proper wastewater disposal. (a) 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 service area of the city, any human or animal excrement, garbage, or other objectionable waste.

(b) It shall be unlawful to discharge to any waters of the state within the service area of the city any sewage or other polluted waters, except where suitable treatment has been provided in accordance with provisions of this chapter.

(c) Except as herein 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.

(d) Except as provided in § 18-203(1)(e) below, the owner of all houses, buildings, or properties used for human occupancy, employment, recreation, or other purposes situated within the service area in which there is now located or may in the future be located a public sanitary sewer, 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 the chapter, within sixty (60) days after date of official notice to do so, provided that said public sewer is within five hundred (500) feet of the property line over public access.

(e) The owner of a manufacturing facility may discharge wastewater to the waters of the state provided that he obtains an NPDES permit and meets all requirements of the Federal Clean Water Act, the NPDES permit, and any other applicable local, state, or federal statutes and regulations.

(f) Where a public sanitary sewer is not available under the provisions of § 18-203(1)(d) above, the building sewer shall be connected to a private sewage disposal system complying with the provisions of § 18-205 of this chapter.

(2) Physical connection to a public sewer. (a) No person shall uncover, make any connections with or opening into, use, alter, or disturb any public sewer or appurtenance thereof. The city shall make all connections to the public sewer upon the property owner first submitting

a connection application from the superintendent as required by § 18-208 of this chapter.

The connection application shall be supplemented by any plans, specifications or other information considered pertinent in the judgment of the superintendent. A connection fee shall be paid to the city at the time the application is filed.

(b) All costs and expenses incident to the installation, connection, and inspection 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.

(c) 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.

(d) Old building sewers may be used in connection with new buildings only when they are found on examination and tested by the superintendent to meet all requirements of this chapter. All others may be sealed to the specifications of the superintendent.

(e) Building sewers shall conform to the following requirements:

(i) The minimum size of a building sewer shall be as follows:

- (A) Conventional sewer system--four inches (4");
- (B) Small diameter gravity sewer--two inches (2");
- (C) Septic tank effluent pump--one and one quarter inches (1¼").

Where the septic tanks become an integral part of the collection and treatment system, the minimum size influent line shall be four (4) inches and the minimum size of septic tank shall be one thousand (1,000) gallons. Septic tanks shall be constructed of water tight material and protected from flotation. The city shall have the right, privilege, and authority to locate, inspect, operate, and maintain septic tanks which are an integral part of the collection and treatment system.

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

(iii) Building sewers shall be laid on the following grades:

- (A) Four inch (4") sewers--1/8 inch per foot;
- (B) Two inch (2") sewers--3/8 inch per foot.

Larger building sewers shall be laid on a grade that will produce a velocity when flowing full of at least 2.0 feet per second.

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

(v) Building sewers shall be constructed only of ductile iron pipe class 50 or above or polyvinyl chloride pipe schedule 40 or and SDR-21 or greater. Joints shall be rubber or neoprene "o" ring compression joints or solvent welded. No other joints shall be acceptable.

(vi) A cleanout shall be located five (5) feet outside of the building, one as it crosses the property line and one at each change of direction of the building sewer which is greater than forty-five (45) degrees. Additional cleanouts shall be placed not more than seventy-five (75) feet apart in horizontal building sewers of six (6) inch nominal diameter and not more than one hundred (100) feet 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 1/8 bend shall be used for the cleanout base. Cleanouts shall not be smaller than four (4) inches.

(vii) Connections of building sewers to the public sewer system shall be made only by the city and shall be made at the appropriate existing wyes or tee branch using compression type couplings or collar type rubber joint with 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 using flexible neoprene adapters with stainless steel bands of a type approved by the superintendent. All such connections shall be made gastight and watertight.

(viii) 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 1/8-inch 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 a step or grinder pump and discharged to the building sewer at the expense of the owner, pursuant to § 18-204.

(ix) The methods to be used in excavating, 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 Environment Federation Manual of Practice FD-5. Any deviation from the prescribed procedures and materials must be approved by the superintendent before installation.

(x) An installed building sewer shall be gastight and watertight.

(f) All excavations for building sewer installation shall be adequately guarded with barricades and lights so as to protect the public from hazard. Streets, sidewalks, parkways, and other public property disturbed in the course of the work shall be restored in a manner satisfactory to the city.

(g) No person shall make connection of roof downspouts, exterior foundation drains, areaway drains, basement drains, sump pumps, or other sources of surface runoff or groundwater to a building directly or indirectly to a public sanitary sewer.

(h) Inspection of connections. (i) The sewer connection and all building sewers from the building to the public sewer main line shall be inspected before the underground portion is covered, by the superintendent or his authorized representative.

(ii) The applicant for discharge 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.

(3) Maintenance of building sewers. Each individual property owner shall be entirely responsible for the construction, maintenance, repair or replacement of the building sewer as deemed necessary by the superintendent to meet specifications of the city. Owners failing to maintain or repair building sewers or who allow storm water to enter the sanitary sewer may face enforcement action by the superintendent up to and including discontinuation of water and sewer service.

(4) Sewer extensions. All expansion or extension of the public sewer constructed by property owners or developers must follow policies and procedures developed by the city. In the absence of policies and procedures the expansion or extension of the public sewer must be approved in writing by the superintendent or manager of the wastewater collection system. All plans and construction must follow the latest edition of Tennessee Design Criteria for Sewerage Works. Contractors must provide the superintendent or manager with documentation that all mandrel, pressure and vacuum tests as specified in design criteria were acceptable prior to use of the lines. Contractor's one year warranty period begins with occupancy or first permanent use of the lines. Contractors are responsible for all maintenance and repairs during the warranty period and final inspections as specified by the superintendent or manager. The superintendent or manager must give written approval to the contractor to acknowledge transfer of ownership to the city. Failure to construct or repair

lines to acceptable standards could result in denial or discontinuation of sewer service.

18-204. Septic tank effluent pump or grinder pump wastewater systems. When connection of building sewers to the public sewer by gravity flow lines is impossible due to elevation differences or other encumbrances, Septic Tank Effluent Pump (STEP) or Grinder Pump (GP) systems may be installed subject to water department regulations.

(1) Equipment requirements. (a) Septic tanks shall be of water tight construction and must be approved by the city.

(b) Pumps must be approved by the city and shall be maintained by the city.

(2) Installation requirements. Location of tanks, pumps, and effluent lines shall be subject to the approval of the city. Installation shall follow design criteria for STEP and GP systems as provided by the superintendent.

(3) Costs. STEP and GP equipment for new construction shall be purchased and installed at the developer's, homeowner's, or business owner's expense according to the specification of the city and connection will be made to the city sewer only after inspection and approval of the city.

(4) Ownership and easements. Homeowners or developers shall provide the city with ownership and an easement. Access by the city to the STEP and GP system must be guaranteed to operate, maintain, repair, restore service, and remove sludge.

Access manholes, ports, and electrical disconnects must not be locked, obstructed or blocked by landscaping or construction.

(5) Use of STEP and GP systems. (a) Home or business owners shall follow the STEP and GP users' guide provided by the superintendent.

(b) Home or business owners shall provide an electrical connection that meets specifications and shall provide electrical power.

(c) Home or business owners shall be responsible for maintenance drain lines from the building to the STEP and GP tank.

(d) Prohibited uses of the STEP and GP system.

(i) Connection of roof guttering, sump pumps or surface drains.

(ii) Disposal of toxic household substances.

(iii) Use of garbage grinders or disposers.

(iv) Discharge of pet hair, lint, or home vacuum water.

(v) Discharge of fats, grease, and oil.

(6) Tank cleaning. Solids removal from the septic tank shall be the responsibility of the city. However, pumping required more frequently than once every five (5) years shall be billed to the homeowner.

(7) Additional charges. The city shall be responsible for maintenance of the STEP and GP equipment. Repeat service calls for identical problems

shall be billed to the homeowner or business at a rate of no more than the actual cost of the service call.

18-205. Private domestic wastewater disposal. (1) Availability.

(a) Where a public sanitary sewer is not available under the provisions of § 18-203(1)(d), the building sewer shall be connected to a private wastewater disposal system complying with the provisions of this section.

(b) Any residence, office, recreational facility, or other establishment used for human occupancy where the building drain is below the elevation to obtain a grade equivalent to 1/8-inch per foot in the building sewer but is otherwise accessible to a public sewer as provided in § 18-203, the owner shall provide a private sewage pumping station as provided in § 18-203(2)(e)(viii).

(c) Where a public sewer becomes available, the building sewer shall be connected to said sewer within sixty (60) days after date of official notice from the city to do so.

(2) Requirements. (a) A private domestic wastewater disposal system may not be constructed within the service area unless and until a certificate is obtained from the superintendent stating that a public sewer is not accessible to the property and no such sewer is proposed for construction in the immediate future. No certificate shall be issued for any private domestic wastewater disposal system employing subsurface soil absorption facilities where the area of the lot is less than that specified by the county health department.

(b) Before commencement of construction of a private sewage disposal system the owner shall first obtain written permission from the city and the county health department. The owner shall supply any plans, specifications, and other information as are deemed necessary by the city and the county health department.

(c) A private sewage disposal system shall not be placed in operation until the installation is completed to the satisfaction of the city and the county health department. They shall be allowed to inspect the work at any stage of construction and the owner shall notify the city and the county health department when the work is ready for final inspection, before any underground portions are covered. The inspection shall be made within a reasonable period of time after the receipt of notice by the city and the county health department.

(d) The type, capacity, location, and layout of a private sewage disposal system shall comply with all recommendations of the Tennessee Department of Environment and Conservation, the city and the county health department. No septic tank or cesspool shall be permitted to discharge to waters of Tennessee.

(e) The owner shall operate and maintain the private sewage disposal facilities in a sanitary manner at all times, at no expense to the city. When the public sewer becomes available, the building sewer, or the septic tank effluent line shall be connected to the public sewer within sixty (60) days of the date of availability and the private sewage disposal system should be cleaned of sludge and if no longer used as a part of the city's treatment system, filled with suitable material.

(f) No statement contained in this chapter shall be construed to interfere with any additional or future requirements that may be imposed by the city and the county health department.

18-206. Regulation of holding tank waste disposal or trucked in waste.

(1) Permit. No person, firm, association or corporation shall clean out, drain, or flush any septic tank or any other type of wastewater or excreta disposal system, unless such person, firm, association, or corporation obtains a permit from the city to perform such acts or services.

Any person, firm, association, or corporation desiring a permit to perform such services shall file an application on the prescribed form. Upon any such application, said permit shall be issued by the superintendent when the conditions of this chapter have been met and providing the superintendent is satisfied the applicant has adequate and proper equipment to perform the services contemplated in a safe and competent manner. Such permits shall be limited to the discharge of domestic sewage waste containing no industrial waste.

(2) Fees. For each permit issued under the provisions of this chapter the applicant shall agree in writing by the provisions of this section and pay an annual service charge to the city to be set as specified in § 18-211. Any such permit granted shall be for one fiscal year or fraction of the fiscal year, and shall continue in full force and effect from the time issued until the ending of the fiscal year, unless sooner revoked, and shall be nontransferable. The number of the permit granted hereunder shall be plainly painted three (3) inch permanent letters on each side of each motor vehicle used in the conduct of the business permitted hereunder.

(3) Designated disposal locations. The superintendent shall designate approved locations for the emptying and cleansing of all equipment used in the performance of the services rendered under the permit herein provided for, and it shall be a violation hereof for any person, firm, association or corporation to empty or clean such equipment at any place other than a place so designated. The superintendent may refuse to accept any truckload of waste at his absolute discretion where it appears that the waste would interfere with the operation of the POTW.

(4) Revocation of permit. Failure to comply with all the provisions of this chapter shall be sufficient cause for the revocation of such permit by the superintendent. The possession within the service area by any person of any

motor vehicle equipped with a body type and accessories of a nature and design capable of serving a septic tank of wastewater or excreta disposal system cleaning unit shall be prima facie evidence that such person is engaged in the business of cleaning, draining, or flushing septic tanks or other wastewater or excreta disposal systems within the service area of the City of Cowan.

(5) Trucked in waste. No waste material or cleaning waste will be allowed from trucks, railcars, barges, etc., or temporarily pumped waste or without written approval by the superintendent. This approval may require testing, flow monitoring and record keeping or the issuance of an industrial pretreatment permit.

18-207. Discharge regulations. (1) General discharge prohibitions. No user shall contribute or cause to be contributed, directly or indirectly, any pollutant or wastewater which will pass through or interfere with the operation and 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. Violations of these general and specific prohibitions or the provisions of § 18-207 may result in the issuance of an industrial pretreatment permit, surcharges, discontinuance of water and/or sewer service and other fines and provisions of § 18-210. A user may not contribute the following substances to any POTW:

(a) Any liquids, solids, or gases which by reason of their nature or quantity are, or may be, sufficient either alone or by interaction with other substances to cause fire or explosion or be injurious in any other way to the POTW or to the operation of the POTW. At no time, shall two 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 twenty percent (20%) of the lower explosive limit (LEL) of the meter. Prohibited flammable materials including, but not limited to, wastestreams with a closed cap flash point of less than 140° F or 60° C using the test methods specified in 40 CFR 261.21. Prohibited materials include, but are not limited to, gasoline, kerosene, naphtha, benzene, toluene, xylene, ethers, alcohols, ketones, aldehydes, peroxides, chlorates, perchlorates, bromate, 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.

(b) Any wastewater having a pH less than 5.5 or higher than 9.5 or wastewater having any other corrosive property capable of causing damage or hazard to structures, equipment, and/or personnel of the POTW.

(c) 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 including, but not limited to: grease,

garbage with particles greater than one-half inch ($\frac{1}{2}$ ") in any dimension, 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, mud, or glass grinding or polishing wastes.

(d) Any pollutants, including oxygen demanding pollutants (BOD, etc.) released at a flow rate and/or pollutant concentration which will cause interference to the POTW.

(e) 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.

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

(g) Any wastewater containing any toxic pollutants, chemical elements, or compounds 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, including wastewater plant and collection system operators, 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.

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

(i) 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, 40 CFR 503, 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.

(j) Any substances which will cause the POTW to violate its NPDES permit or the receiving water quality standards.

(k) Any wastewater causing discoloration of the wastewater treatment plant effluent to the extent that the receiving stream water quality requirements would be violated, such as, but not limited to, dye wastes and vegetable tanning solutions.

(l) 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 40° C (104° F).

(m) Any waters or wastes causing an unusual volume of flow or concentration of waste constituting "slug" as defined herein.

(n) Any waters containing any radioactive wastes or isotopes of such halflife or concentration as may exceed limits established by the superintendent in compliance with applicable state or federal regulations.

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

(p) Any waters or wastes containing fats, wax, grease, or oil, whether emulsified or not, which cause accumulations of solidified fat in pipes, lift stations and pumping equipment, or interfere at the treatment plant.

(q) Any storm water, surface water, groundwater, roof runoff, subsurface drainage, uncontaminated cooling water, groundwater, roof runoff, subsurface drainage, uncontaminated cooling water, or unpolluted industrial process waters to any sanitary sewer. Storm water 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 and the Tennessee Department of Environment and Conservation. Industrial cooling water or unpolluted process waters may be discharged on approval of the superintendent and the Tennessee Department of Environment and Conservation, to a storm sewer or natural outlet.

(2) Restrictions on wastewater strength. No person or user shall discharge wastewater which exceeds the set of standards provided in Table A--Plant Protection Criteria, unless specifically allowed by their discharge permit local limits (Table B--User Discharge Restrictions). Dilution of any wastewater discharge for the purpose of satisfying these requirements shall be considered in violation of this chapter.

Table A--Plant Protection Criteria

Parameter	Maximum Concentration (mg/l) (24 Hour Flow) Proportional Composite Sample	Maximum Instantaneous Concentration (mg/l) Grab Sample
Arsenic		
Benzene		
Cadmium		
Carbon Tetrachloride		
Chloroform		
Chromium (total)		
Copper		

Parameter	Maximum Concentration (mg/l) (24 Hour Flow) Proportional Composite Sample	Maximum Instantaneous Concentration (mg/l) Grab Sample
Cyanide		
Ethylbenzene		
Lead		
Mercury		
Methylene chloride		
Molybdenum		
Naphthalene		
Nickle		
Phenol		
Selenium		
Silver		
Tetrachloroethylene		
Toluene		
Total Phthalate		
Trichlorethylene		
1,1,1-Trichloroethane		
1,2 Transdichloroethylene		
Zinc		

Table B--User Discharge Restrictions

Pollutant	Average* Maximum Concentration (mg/l)	Instantaneous Maximum Concentration (mg/l)
Arsenic		
Benzene		
Cadmium		
Carbon Tetrachloride		
Chloroform		
Chromium (total)		
Copper		
Cyanide		
Ethylbenzene		
Lead		
Mercury		
Methylene chloride		

Pollutant	Average* Maximum Concentration (mg/l)	Instantaneous Maximum Concentration (mg/l)
Molybdenum		
Naphthalene		
Nickle		
Phenol		
Selenium		
Silver		
Tetrachloroethylene		
Toluene		
Total Phathalate		
Trichlorethlene		
1,1,1-Trichloroethane		
1,2 Transdichloroethylene		
Zinc		

*Based on 24-hour flow proportional composite samples.

(3) Fats, oils and grease traps and interceptors. (a) Fat, Oil, and Grease (FOG), waste food, and sand interceptors. FOG, waste food and sand interceptors shall be provided when, in the opinion of the superintendent, they are necessary for the proper handling of liquid wastes containing fats, oils, and grease, any flammable wastes, ground food waste, sand, soil, and solids, or other harmful ingredients in excessive amount which impact the wastewater collection system. Such interceptors shall not be required for single family residences, but may be required on multiple family residences. All 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.

(b) Fat, oil, grease, and food waste. (i) New construction and renovation. Upon construction or renovation, all restaurants, cafeterias, hotels, motels, hospitals, nursing homes, schools, grocery stores, prisons, jails, churches, camps, caterers, manufacturing plants and any other sewer users who discharge applicable waste shall submit a FOG and food waste control plan that will effectively control the discharge of FOG and food waste.

(ii) Existing structures. All existing restaurants, cafeterias, hotels, motels, hospitals, nursing homes, schools, grocery stores, prisons, jails, churches, camps, caterers, manufacturing plants and any other sewer users who discharge applicable waste shall be required to submit a plan for control of FOG and food waste, if and when the superintendent determines

that FOG and food waste are causing excessive loading, plugging, damage or potential problems to structures or equipment in the public sewer system.

(iii) Implementation of plan. After approval of the FOG plan by the superintendent the sewer user must:

(A) Implement the plan within a reasonable amount of time;

(B) Service and maintain the equipment in order to prevent adverse impact upon the sewer collection system and treatment facility. If in the opinion of the superintendent the user continues to impact the collection system and treatment plan, additional pretreatment may be required, including a requirement to meet numeric limits and have surcharges applied.

(c) Sand, soil, and oil interceptors. All car washes, truck washes, garages, service stations and other sources of sand, soil, and oil shall install effective sand, soil, and oil interceptors. These interceptors shall be sized to effectively remove sand, soil, and oil at the expected flow rates. The interceptors shall be cleaned on a regular basis to prevent impact upon the wastewater collection and treatment system. Owners whose interceptors are deemed to be ineffective by the superintendent may be asked to change the cleaning frequency or to increase the size of the interceptors. Owners or operators of washing facilities will prevent the inflow of rainwater into the sanitary sewers.

(d) Laundries. Commercial laundries shall be equipped with an interceptor with a wire basket or similar device, removable for cleaning, that prevents passage into the sewer system of solids ½ inch or larger in size such as strings, rags, buttons, or other solids detrimental to the system.

(e) Control equipment. The equipment of facilities installed to control FOG, food waste, sand and soil, must be designed in accordance with the Standard Plumbing Code and Tennessee Department of Environment and Conservation engineering standards. Underground equipment shall be tightly sealed to prevent inflow of rainwater and easily accessible to allow regular maintenance. Control equipment shall be maintained by the owner or operator of the facility so as to prevent a stoppage of the public sewer, and the accumulation of FOG in the lines, pump stations and treatment plant. If the city is required to clean out the public sewer lines as a result of a stoppage resulting from poorly maintained control equipment, the property owner shall be required to refund the labor, equipment, materials and overhead costs to the city. Nothing in this subsection shall be construed to prohibit or restrict any other remedy the city has under this chapter, or state or federal law.

The city retains the right to inspect and approve installation of control equipment.

(f) The superintendent may use industrial wastewater discharge permits under § 18-206 to regulate the discharge of fat, oil and grease.

(4) Protection of treatment plant influent. The pretreatment coordinator shall monitor the treatment works influent for each parameter in Table A--Plant Protection Criteria. Industrial users shall be subject to reporting and monitoring requirements regarding these parameters as set forth in this chapter. In the event that the influent at the POTW reaches or exceeds the levels established by Table A or subsequent criteria calculated as a result of changes in pass through limits issued by the Tennessee Department of Environment and Conservation, the pretreatment coordinator shall initiate technical studies to determine the cause of the influent violation and shall recommend to the city the necessary remedial measures, including, but not limited to, recommending the establishment of new or revised pretreatment levels for these parameters. The pretreatment coordinator shall also recommend changes to any of these criteria in the event that: the POTW effluent standards are changed, there are changes in any applicable law or regulation affecting same, or changes are needed for more effective operation of the POTW.

Table C--Surcharge and Maximum Limits

Parameter	Surcharge Limit	Maximum Concentration
Total Kjeldahl Nitrogen (TKN)		
Oil & Grease		
MBAS		
BOD		
COD		
Suspended Solids		

(5) 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 pretreatment coordinator shall notify all affected users of the applicable reporting requirements under 40 CFR, section 403.12.

(6) Right to establish more restrictive criteria. No statement in this chapter is intended or may be construed to prohibit the pretreatment coordinator from establishing specific wastewater discharge criteria more restrictive where wastes are determined to be harmful or destructive to the

facilities of the POTW or to create a public nuisance, or to cause the discharge of the POTW to violate effluent or stream quality standards, or to interfere with the use or handling of sludge, or to pass through the POTW resulting in a violation of the NPDES permit, or to exceed industrial pretreatment standards for discharge to municipal wastewater treatment systems as imposed or as may be imposed by the Tennessee Department of Environment and Conservation and/or the United States Environmental Protection Agency.

(7) Accidental discharges. (a) Protection from accidental discharge. All industrial users shall provide such facilities and institute such procedures as are reasonably necessary to prevent or minimize the potential for accidental discharge into the POTW of waste regulated by this chapter from liquid or raw material storage areas, from truck and rail car loading and unloading areas, from in-plant transfer or processing and materials handling areas, and from diked areas or holding ponds of any waste regulated by this chapter. Detailed plans showing the facilities and operating procedures shall be submitted to the pretreatment coordinator before the facility is constructed.

The review and approval of such plans and operating procedures will in no way relieve the user from the responsibility of modifying the facility to provide the protection necessary to meet the requirements of this chapter.

(b) Notification of accidental discharge. Any person causing or suffering from any accidental discharge shall immediately notify the pretreatment coordinator in person, or by the telephone to enable countermeasures to be taken by the pretreatment coordinator to minimize damage to the POTW, the health and welfare of the public, and the environment.

This notification shall be followed, within five (5) days of the date of occurrence, by a detailed written statement describing the cause of the accidental discharge and the measures being taken to prevent future occurrence.

Such notification shall not relieve the user of liability for any expense, loss, or 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 state or federal law.

(c) Notice to employees. A notice shall be permanently posted on the user's bulletin board or other prominent place advising employees whom to call in the event of a dangerous discharge. Employers shall ensure that all employees who may cause or suffer such a dangerous discharge to occur are advised of the emergency notification procedure. In lieu of placing notices on bulletin boards, the users may submit an approved SPIC. Each user shall annually certify to the pretreatment coordinator compliance with this subsection.

18-208. Application for domestic wastewater connection and industrial wastewater discharge permits. (1) Application for discharge of domestic wastewater. All users or prospective users which generate domestic wastewater shall make application to the superintendent for connection to the municipal wastewater treatment system. Applications shall be required from all new dischargers as well as for any existing discharger desiring additional service. Connection to the city sewer shall not be made until the application is received and approved by the superintendent, the building sewer is installed in accordance with § 18-201 of this chapter and an inspection has been performed by the superintendent or his representative.

The receipt by the city of a prospective customer's application for connection shall not obligate the city to render the connection. If the service applied for cannot be supplied in accordance with this chapter and the city's rules and regulations and general practice, the connection charge will be refunded in full, and there shall be no liability of the city to the applicant for such service.

(2) Industrial wastewater discharge permits. (a) General requirements. All industrial 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. All existing industrial users connected to or contributing to the POTW shall acquire a permit within one hundred eighty (180) days after the effective date of this chapter.

(b) Applications. Applications for wastewater discharge permits shall be required as follows:

(i) Users required to obtain a wastewater discharge permit shall complete and file with the pretreatment coordinator, an application on a prescribed form accompanied by the appropriate fee. Existing users shall apply for a wastewater contribution permit within sixty (60) days after the effective date of this chapter, and proposed new users shall apply at least sixty (60) days prior to connecting to or contributing to the POTW.

(ii) The application shall be in the prescribed form of the city and shall include, but not be limited to the following information: name, address, and SIC number of applicant; wastewater volume; wastewater constituents and characteristic, including but not limited to those mentioned in §§ 18-207(1) and (2) discharge variations--daily, monthly, seasonal and thirty (30) minute peaks; a description of all chemicals handled on the premises, each product produced by type, amount, process or processes and rate of production, type and amount of raw materials, number and type of employees, hours of operation, site plans, floor plans, mechanical and plumbing plans and details showing all sewers and appurtenances by size, location and

elevation; a description of existing and proposed pretreatment and/or equalization facilities and any other information deemed necessary by the pretreatment coordinator.

(iii) Any user who elects or is required to construct new or additional facilities for pretreatment shall as part of the application for wastewater discharge permit submit plans, specifications and other pertinent information relative to the proposed construction to the pretreatment coordinator for approval. Plans and specifications submitted for approval must bear the seal of a professional engineer registered to practice engineering in the State of Tennessee. A wastewater discharge permit shall not be issued until such plans and specifications are approved. Approval of such plans and specifications shall in no way relieve the user from the responsibility of modifying the facility as necessary to produce an effluent acceptable to the city under the provisions of this chapter.

(iv) If additional pretreatment and/or operations and maintenance will be required to meet the pretreatment standards, the application shall include 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. For the purpose of this subsection, "pretreatment standard," shall include either a national pretreatment standard or a pretreatment standard imposed by § 18-207 of this chapter.

(v) 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 discharge permit subject to terms and conditions provided herein.

(vi) The receipt by the city of a prospective customer's application for wastewater discharge permit shall not obligate the city to render the wastewater collection and treatment service. If the service applied for cannot be supplied in accordance with this chapter or the city's rules and regulations and general practice, the application shall be rejected and there shall be no liability of the city to the applicant of such service.

(vii) The pretreatment coordinator will act only on applications containing all the information required in this section. Persons who have filed incomplete applications will be notified by the pretreatment coordinator that the application is deficient and the nature of such deficiency and will be given thirty (30) days to correct the deficiency. If the deficiency is not corrected within thirty (30) days or within such extended period as allowed by the local administrative officer, the local administrative officer shall

deny the application and notify the applicant in writing of such action.

(c) 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.

(i) Permits shall contain the following:

(A) Statement of duration;

(B) Provisions of transfer;

(C) Effluent limitations on volume, concentration, and time of discharge, based on 40 CFR 403, categorical standards, local limits, and state and local law;

(D) Self-monitoring, sampling, reporting, notification, record keeping, identification of pollutants to be monitored, sampling location, sampling frequency, sample type;

(E) Statement of applicable civil and criminal penalties for violations of pretreatment standards and the requirements of any applicable compliance schedule. Such schedules shall not extend the compliance date beyond the applicable federal deadlines;

(F) Prohibition of bypasses.

(ii) Additionally, 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) Requirements for installation and maintenance of inspections and sampling facilities;

(C) Compliance schedules;

(D) Requirements for submission of technical reports or discharge reports;

(E) Requirements for maintaining and retaining plant records relating to wastewater discharge as specified by the city, and affording city access thereto;

(F) Requirements for notification of the city sixty (60) days prior to implementing any substantial change in the volume or character of the wastewater constituents being introduced into the wastewater treatment system, and of any changes in industrial processes that would affect wastewater quality or quantity;

(G) Requirements for notification of slug discharged and spill control plan;

(H) Effluent mass loading restrictions;

(I) Other conditions as deemed appropriate by the city to ensure compliance with this chapter.

(d) Permit revision. Within nine (9) months of the promulgation of a national categorical pretreatment standard, the wastewater discharge permit of users subject to such standards shall be revised to require compliance with such standard within the time frame prescribed by such standard. A user with an existing wastewater discharge permit shall submit to the pretreatment coordinator within one hundred eighty (180) days after the promulgation of an applicable federal categorical pretreatment standard the information required by §§ 18-208(2)(b)(ii) and (iii).

(e) Permit modification. The terms and conditions of the permit may be subject to modification by the pretreatment coordinator during the term of the permit as limitations or requirements are modified or other just cause exists. The user shall be informed of any proposed changes in this permit at least thirty (30) days prior to the effective date of change. Any changes or new conditions in the permit shall include a reasonable time schedule for compliance.

(f) Permits duration. Permits shall be issued for a specified time period, not to exceed five (5) years. A permit may be issued for a period less than a year or may be stated to expire on a specific date. The user shall apply for permit reissuance a minimum of one hundred eighty (180) days prior to the expiration of the user's existing permit.

(g) 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 written approval of the city. Any succeeding owner or user shall also comply with the terms and conditions of the existing permit. The permit holder must provide the new owner with a copy of the current permit.

(h) Revocation of permit. Any permit issued under the provisions of this chapter is subject to be modified, suspended, or revoked in whole or in part during its term for cause including, but not limited to, the following:

(i) Violation of any terms or conditions of the wastewater discharge permit or other applicable federal, state, or local law or regulation.

(ii) Obtaining a permit by misrepresentation or failure to disclose fully all relevant facts.

(iii) A change in:

(A) Any condition that requires either a temporary or permanent reduction or elimination of the permitted discharge;

(B) Strength, volume, or timing of discharges;

(C) Addition or change in process lines generating wastewater.

(iv) Intentional failure of a user to accurately report the discharge constituents and characteristics or to report significant changes in plant operations or wastewater characteristics.

(3) Confidential information. All information and data on a user obtained from reports, questionnaire, permit application, permits and monitoring programs and from inspection shall be available to the public or any governmental agency without restriction unless the user specifically requests and is able to demonstrate to the satisfaction of the pretreatment coordinator that the release of such information would divulge information, processes, or methods of production entitled to protection as trade secrets of the users.

When requested by the person furnishing the 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 to governmental agencies for use; related to this chapter or the city's or user's NPDES permit. 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 pretreatment coordinator as confidential shall not be transmitted to any governmental agency or to the general public by the pretreatment coordinator until and unless prior and adequate notification is given to the user.

18-209. Industrial user monitoring, inspection reports, records access, and safety. (1) Monitoring facilities. The installation of a monitoring facility shall be required for all industrial users. A monitoring facility shall be a manhole or other suitable facility approved by the pretreatment coordinator.

When in the judgment of the pretreatment coordinator, there is a significant difference in wastewater constituents and characteristics produced by different operations of a single user the pretreatment coordinator may require that separate monitoring facilities be installed for each separate source of discharge.

Monitoring facilities that are required to be installed shall be constructed and maintained at the user's expense. The purpose of the facility is to enable inspection, sampling and flow measurement of wastewater produced by a user. If sampling or metering equipment is also required by the pretreatment coordinator, it shall be provided and installed at the user's expense.

The monitoring facility will normally be required to be located on the user's premises outside of the building. The pretreatment coordinator may, however, when such a location would be impractical or cause undue hardship on the user, allow the facility to be constructed in the public street right-of-way with the approval of the public agency having jurisdiction of that right-of-way 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.

(2) Inspection and sampling. The city may inspect the facilities of any user to ascertain whether the purpose of this chapter is being met and all requirements are being complied with. 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 purpose of inspection, sampling, records examination or in the performance of any of their duties. The city, approval authority and 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 metering operations. Where a user has security measures in force which would require proper identification and clearance before entry into their premises, the user shall make necessary arrangements with their security guards so that upon presentation of suitable identification, personnel from the city, approval authority and EPA will be permitted to enter, without delay, for the purposes of performing their specific responsibility.

(3) Compliance date report. Within one hundred eighty (180) 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 pretreatment coordinator 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 operations and maintenance and/or pretreatment is necessary to bring the user into compliance with the applicable pretreatment standards or requirements. This statement shall be signed by an authorized representative of the industrial user, and certified to by a professional engineer registered to practice engineering in Tennessee.

(4) 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 pretreatment coordinator by the end of the months of March and September, or according to permit requirements, unless required more frequently in the pretreatment standard or by the pretreatment coordinator, a report indicating the nature and concentration of pollutants in the effluent which are limited by such pretreatment standards and requirements.

In addition, this report shall include a record of all daily flows which during the reporting period exceeded the average daily flow. At the discretion of the pretreatment coordinator and in consideration of such factors as local high or low flow rates, holidays, budget cycles, etc., the pretreatment coordinator may agree to alter the months during which the above reports are to be submitted.

(b) The pretreatment coordinator may impose mass limitations on users where the imposition of mass limitations are appropriate. In such cases, the report required by subsection (a) of this section shall indicate the mass of pollutants regulated by pretreatment standards in the effluent of the user.

(c) The reports required by this section shall contain the results of sampling and analysis of the discharge, including the flow and the nature and concentration or production and mass when requested by the pretreatment coordinator of pollutants contained therein which are limited by the applicable pretreatment standards. The frequency of monitoring shall be prescribed in the wastewater discharge permit or the 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 CFR 136, and amendments thereto. Sampling shall be performed in accordance with techniques approved by the administrator.

(5) Maintenance of records. 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 persons taking the samples;
- (b) The dates analyses were performed;
- (c) Who performed the analyses;
- (d) The analytical techniques/methods used; and
- (e) The results of such analyses.

Any industrial user subject to the reporting requirement established in this section shall be required to retain for a minimum of three (3) years all 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 pretreatment coordinator, Director of the Division of Water Pollution Control, Tennessee Department of Environment and Conservation or the Environmental Protection Agency. This period of retention shall be extended during the course of any unresolved litigation regarding the industrial user or when requested by the pretreatment coordinator, the approval authority, or the Environmental Protection Agency.

(6) Safety. While performing the necessary work on private properties, the pretreatment coordinator or duly authorized employees of the city shall

observe all safety rules applicable to the premises established by the company and the company shall be held harmless for injury or death to the city employees and the city shall indemnify the company against loss or damage to its property by city employees and against liability claims and demands for personal injury or property damage asserted against the company and growing out of the monitoring and sampling operation, except as such may be caused by negligence or failure of the company to maintain safe conditions.

(7) New sources. New sources of discharges to the POTW shall have in full operation all pollution control equipment at start up of the industrial process and be in full compliance of effluent standards within ninety (90) days of start up of the industrial process.

(8) Reporting violations. If sampling performed by the industrial user indicates effluent violations the user must notify the pretreatment coordinator within twenty-four (24) hours of becoming aware of the violation and repeat the analysis within thirty (30) days of becoming aware of the violation, unless the POTW has monitored between the sample date and the day when the results of the violation are received, or if the POTW monitors at least once per month, or if the user is on a monthly sample schedule.

18-210. Enforcement and abatement. (1) Complaints; notification of violation; orders.

(a) (i) Whenever the local administrative officer has reason to believe that a violation of any provision of the pretreatment program of the Cowan Water Department or orders of the local hearing authority issued pursuant thereto has occurred, is occurring, or is about to occur, the local administrative officer may cause a written complaint to be served upon the alleged violator or violators.

(ii) The complaint shall specify the provision or provisions of the pretreatment program or order alleged to be violated or about to be violated and the facts alleged to constitute a violation thereof, may order that necessary corrective action be taken within a reasonable time to be prescribed in such order, and shall inform the violators of the opportunity for a hearing before the local hearing authority.

(iii) Any such order shall become final and not subject to review unless the person or persons named therein request by written petition a hearing before the local hearing authority as provided in § 18-210(2), no later than thirty (30) days after the date such order is served; provided, that the local hearing authority may review such final order on the same grounds upon which a court of the state may review default judgments.

(iv) Notification of violation. Notwithstanding the provisions of subsections (i) through (iii), whenever the

pretreatment coordinator finds that any user has violated or is violating this chapter, a wastewater discharge permit or order issued hereunder, or any other pretreatment requirements, the city or its agent may serve upon said user a written notice of violation. Within fifteen (15) days of the receipt 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 by the user to the pretreatment coordinator. 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. Nothing in this section shall limit the authority of the city to take any action, including emergency actions or any other enforcement action, without first issuing a notice of violation.

(b) (i) When the local administrative officer finds that a user has violated or continues to violate this chapter, wastewater discharge permits, any order issued hereunder, or any other pretreatment standard or requirement, he may issue one of the following orders. These orders shall not be prerequisite to taking any other action against the user.

(A) Compliance order. An order to the user responsible for the discharge directing that the user come into compliance within a specified time. If the user does not come into compliance within the specified time stated, sewer service shall be discontinued unless adequate treatment facilities, devices, or other related appurtenances are installed and properly operated. Compliance orders may also contain other requirements to address the noncompliance, including additional self-monitoring, and management practices designed to minimize the amount of pollutants discharged to the sewer. A compliance order may not extend the deadline for compliance established for a federal pretreatment standard or requirement, nor does a compliance order release the user of liability for any violation, including any continuing violation.

(B) Cease and desist order. An order to the user directing it to cease all such violations and directing it to immediately comply with all requirements and take such remedial or preventive action as may be needed to properly address a continuing or threatened violation, including halting operations and/or terminating the discharge.

(C) Consent order. Assurances of voluntary compliance, or other documents establishing an agreement with the user responsible for noncompliance, including

specific action to be taken by the user to correct the noncompliance within a time period specified in the order.

(D) Emergency order. (1) Whenever the local administrative officer finds that an emergency exists imperatively requiring immediate action to protect the public health, safety, or welfare, the health of animals, fish or aquatic life, a public water supply, or the facilities of the POTW, the local administrative officer may, without prior notice, issue an order reciting the existence of such an emergency and requiring that such action be taken as the local administrative officer deems necessary to meet the emergency.

(2) If the violator fails to respond or is unable to respond to the order, the local administrative officer may take such emergency action as the local administrative officer deems necessary, or contract with a qualified person or persons to carry out the emergency measures. The local administrative officer may assess the person or persons responsible for the emergency condition for actual costs incurred by the local administrative officer in meeting the emergency.

(ii) Appeals from orders of the local administrative officer.

(A) Any user affected by any order of the local administrative officer in interpreting or implementing the provisions of this chapter, may file with the local administrative officer a written request for reconsideration within thirty (30) days of such order, setting forth in detail the facts supporting the user's request for reconsideration.

(B) If the ruling made by the local administrative officer is unsatisfactory to the person requesting reconsideration, he may, within thirty (30) days, file a written petition with the local hearing authority as provided in subsection (2). The local administrative officer's order shall remain in effect during the period of reconsideration.

(c) Except as otherwise expressly provided, any notice, complaint, order or other instrument issued by or under authority of this section may be served on any person affected thereby personally, by the local administrative officer or any person designated by the local administrative officer, or such service may be made in accordance with Tennessee statutes authorizing service of process in civil action. Proof of service shall be filed in the office of the local administrative officer.

(2) Hearings. (a) Any hearing or rehearing brought before the local hearing authority shall be conducted in accordance with the following:

(i) Upon receipt of a written petition from the alleged violator pursuant to this subsection, the local administrative officer shall give the petitioner thirty (30) days written notice of the time and place of the hearing, but in no case shall such hearing be held more than sixty (60) days from the receipt of the written petition, unless the local administrative officer and the petitioner agree to a postponement;

(ii) The hearing herein provided may be conducted by the local hearing authority at a regular or special meeting. A quorum of the local hearing authority must be present at the regular or special meeting in order to conduct the hearing herein provided;

(iii) A verbatim record of the proceedings of such hearings shall be taken and filed with the local hearing authority, together with the findings of fact and conclusions of law made pursuant to subsection (a)(vi). The transcript so recorded shall be made available to the petitioner or any party to a hearing upon payment of a charge set by the local administrative officer to cover the costs of preparation;

(iv) In connection with the hearing, the chair shall issue subpoenas in response to any reasonable request by any party to the hearing requiring the attendance and testimony of witnesses and the production of evidence relevant to any matter involved in the hearing. In case of contumacy or refusal to obey a notice of hearing or subpoena issued under this section, the chancery court of the county in which the pretreatment agency is located shall have jurisdiction upon the application of the local hearing authority or the local administrative officer to issue an order requiring such person to appear and testify or produce evidence as the case may require, and any failure to obey such order of the court may be punished by such court as contempt;

(v) Any member of the local hearing authority may administer oaths and examine witnesses;

(vi) On the basis of the evidence produced at the hearing, the local hearing authority shall make findings of fact and conclusions of law and enter such decisions and orders as, in its opinion, will best further the purposes of the pretreatment program and shall give written notice of such decisions and orders to the alleged violator. The order issued under this subsection shall be issued no later than thirty (30) days following the close of the hearing by the person or persons designated by the chair;

(vii) The decision of the local hearing authority shall become final and binding on all parties unless appealed to the courts as provided in subsection (b); and

(viii) Any person to whom an emergency order is directed pursuant to § 18-210(1) shall comply therewith immediately, but on petition to the local hearing authority shall be afforded a hearing as soon as possible, but in no case shall such hearing be held later than three (3) days from the receipt of such petition by the local hearing authority.

(b) An appeal may be taken from any final order or other final determination of the local hearing authority by any party, including the pretreatment agency, who is or may be adversely affected thereby, to the chancery court pursuant to the common law writ of certiorari set out in Tennessee Code Annotated, § 27-8-101, within sixty (60) days from the date such order or determination is made.

(c) Show cause hearing. Notwithstanding the provisions of subsections (a) or (b), the pretreatment coordinator may order any user which causes or contributes to violation(s) of this chapter, wastewater discharge permits, or orders issued hereunder, or any other pretreatment standard or requirements, to appear before the local administrative officer and 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, the reasons for such action, and a request that the user show cause why the proposed enforcement action should 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 authorized representative of the user. Whether or not the user appears as ordered, immediate enforcement action may be pursued following the hearing date. A show cause hearing shall not be prerequisite for taking any other action against the user. A show cause hearing may be requested by the discharger prior to revocation of a discharge permit or termination of service.

(3) Violations--civil penalty.

(a) (i) Any person including, but not limited to, industrial users, who does any of the following acts or omissions shall be subject to a civil penalty of up to ten thousand dollars (\$10,000) per day for each day during which the act or omission continues or occurs:

- (A) Unauthorized discharge, discharging without a permit;
- (B) Violates an effluent standard or limitation;
- (C) Violates the terms or conditions of a permit;
- (D) Fails to complete a filing requirement;

(E) Fails to allow or perform an entry, inspection, monitoring or reporting requirement;

(F) Fails to pay user or cost recovery charges; or

(G) Violates a final determination or order of the local hearing authority or the local administrative officer.

(ii) Any civil penalty shall be assessed in the following manner:

(A) The local administrative officer may issue an assessment against any person or industrial user responsible for the violation;

(B) Any person or industrial user against whom an assessment has been issued may secure a review of such assessment by filing with the local administrative officer a written petition setting forth the grounds and reasons for the violator's objections and asking for a hearing in the matter involved before the local hearing authority and, if a petition for review of the assessment is not filed within thirty (30) days after the date the assessment is served, the violator shall be deemed to have consented to the assessment and it shall become final;

(C) Whenever any assessment has become final because of a person's failure to appeal the assessment, the local administrative officer may apply to the appropriate court for a judgment and seek execution of such judgment and the court, in such proceedings, shall treat a failure to appeal such assessment as a confession of judgment in the amount of the assessment;

(D) In assessing the civil penalty the local administrative officer may consider the following factors:

(1) Whether the civil penalty imposed will be a substantial economic deterrent to the illegal activity;

(2) Damages to the pretreatment agency, including compensation for the damage or destruction of the facilities of the publicly owned treatment works, and also including any penalties, costs and attorneys' fees incurred by the pretreatment agency as the result of the illegal activity, as well as the expenses involved in enforcing this section and the costs involved in rectifying any damages;

(3) Cause of the discharge or violation;

(4) The severity of the discharge and its effect upon the facilities of the publicly owned

treatment works and upon the quality and quantity of the receiving waters;

(5) Effectiveness of action taken by the violator to cease the violation;

(6) The technical and economic reasonableness of reducing or eliminating the discharge; and

(7) The economic benefit gained by the violator; and

(E) The local administrative officer may institute proceedings for assessment in the chancery court of the county in which all or part of the pollution or violation occurred, in the name of the pretreatment agency.

(iii) The local hearing authority may establish by regulation a schedule of the amount of civil penalty which can be assessed by the local administrative officer for certain specific violations or categories of violations.

(iv) Assessments may be added to the user's next scheduled sewer service charge and the local administrative officer shall have such other collection remedies as may be available for other service charges and fees.

(b) Any civil penalty assessed to a violator pursuant to this section may be in addition to any civil penalty assessed by the commissioner for violations of Tennessee Code Annotated, § 69-3-115(a)(1)(F). However, the sum of penalties imposed by this section and by Tennessee Code Annotated, § 69-3-115(a) shall not exceed ten thousand dollars (\$10,000) per day for each day during which the act or omission continues or occurs.

(4) Assessment for noncompliance with program permits or orders.

(a) The local administrative officer may assess the liability of any polluter or violator for damages to the city resulting from any person's or industrial user's pollution or violation, failure, or neglect in complying with any permits or orders issued pursuant to the provisions of the pretreatment program or this section.

(b) If an appeal from such assessment is not made to the local hearing authority by the polluter or violator within thirty (30) days of notification of such assessment, the polluter or violator shall be deemed to have consented to the assessment, and it shall become final.

(c) Damages may include any expenses incurred in investigating and enforcing the pretreatment program or this section, in removing, correcting, and terminating any pollution, and also compensation for any actual damages caused by the pollution or violation.

(d) Whenever any assessment has become final because of a person's failure to appeal within the time provided, the local

administrative officer may apply to the appropriate court for a judgment, and seek execution on such judgment. The court, in such proceedings, shall treat the failure to appeal such assessment as a confession of judgment in the amount of the assessment.

(5) Judicial proceedings and relief. The local administrative officer may initiate proceedings in the chancery court of the county in which the activities occurred against any person or industrial user who is alleged to have violated or is about to violate the pretreatment program, this section, or orders of the local hearing authority or local administrative officer. In such action, the local administrative officer may seek, and the court may grant, injunctive relief and any other relief available in law or equity.

(6) Termination of discharge. In addition to the revocation of permit provisions in § 18-208(2)(h) of this chapter, any user that violates the following conditions, wastewater discharge permits, or orders issued hereunder, is subject to discharge termination.

- (a) Violation of wastewater discharge 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 volume, constituents and characteristics prior to discharge;
- (d) Refusal of reasonable access to the user's premises for the purpose of inspection, monitoring or sampling;
- (e) Violation of the pretreatment standards in the general discharge prohibitions in § 18-207 of this chapter;
- (f) Failure to properly submit an industrial waste survey when requested by the pretreatment coordination superintendent.

Such user will be notified of the proposed termination of its discharge and be offered an opportunity to show cause, as provided in subsection (2)(c) above, why the proposed action should not be taken.

(7) Disposition of damage payments and penalties--special fund. All damages and/or penalties assessed and collected under the provisions of this section shall be placed in a special fund by the pretreatment agency and allocated and appropriated for the administration of its wastewater fund or combined water and wastewater fund.

18-211. Fees and billing. (1) Purpose. It is the purpose of this chapter to provide for the equitable recovery of costs from users of the city's wastewater treatment system including costs of operation, maintenance, administration, bond service costs, capital improvements, depreciation, and equitable cost recovery of EPA administered federal wastewater grants.

(2) Types of charges and fees. The charges and fees as established in the city's schedule of charges and fees may include but are not limited to:

- (a) Inspection fee and tapping fee;
- (b) Fees for applications for discharge;

- (c) Sewer use charges;
- (d) Surcharge fees (see Table C, § 18-207);
- (e) Industrial wastewater discharge permit fees;
- (f) Fees for industrial discharge monitoring; and
- (g) Other fees as the city may deem necessary.

(3) Fees for application for discharge. A fee may be charged when a user or prospective user makes application for discharge as required by § 18-208 of this chapter.

(4) Inspection fee and tapping fee. An inspection fee and tapping fee for a building sewer installation shall be paid to the city's sewer department at the time the application is filed.

(5) Sewer user charges.¹ The city council shall establish monthly rates and charges for the use of the wastewater system and for the services supplied by the wastewater system.

(6) Industrial wastewater discharge permit fees. A fee may be charged for the issuance of an industrial wastewater discharge fee in accordance with § 18-208 of this chapter.

(7) Fees for industrial discharge monitoring. Fees may be collected from industrial users having pretreatment or other discharge requirements to compensate the city for the necessary compliance monitoring and other administrative duties of the pretreatment program.

18-212. Validity. This chapter and its provisions shall be valid for all service areas, regions, and sewage works under the jurisdiction of the city.

¹Such rates are reflected in administrative ordinances or resolutions, which are of record in the office of the city recorder.

CHAPTER 3

CROSS CONNECTIONS, AUXILIARY INTAKES, ETC.¹

SECTION

- 18-301. Definitions.
- 18-302. Standards.
- 18-303. Construction, operation, and supervision.
- 18-304. Statement required.
- 18-305. Inspections required.
- 18-306. Right of entry for inspections.
- 18-307. Correction of existing violations.
- 18-308. Use of protective devices.
- 18-309. Unpotable water to be labeled.
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18-301. Definitions. The following definitions and terms shall apply in the interpretation and enforcement of this chapter:

(1) "Public water supply." The waterworks system furnishing water to the city for general use and which supply is recognized as the public water supply by the Tennessee Department of Environment and Conservation.

(2) "Cross connection." Any physical arrangement whereby the public water supply is connected, directly or indirectly, with any other water supply system, whether sewer, drain, conduit, pool, storage reservoir, plumbing fixture, or other device which contains, or may contain, contaminated water, sewage, or other waste or liquid of unknown or unsafe quality which may be capable of imparting contamination to the public water supply as a result of backflow. Bypass arrangements, jumper connections, removable sections, swivel or change-over devices through which, or because of which, backflow could occur are considered to be cross connections;

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

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

(5) "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.

¹Municipal code reference

Plumbing and related codes: title 12.

(6) "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.

18-302. Standards. The municipal public water supply is to comply with Tennessee Code Annotated, §§ 68-221-701 through 68-221-719 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.

18-303. 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 water department superintendent or his representative.

18-304. 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 water department superintendent 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.

18-305. Inspections required. It shall be the duty of the water department superintendent 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 water department superintendent and as approved by the Tennessee Department of Environment and Conservation.

18-306. Right of entry for inspections. The water department superintendent 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.

18-307. 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 water department superintendent.

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 water department superintendent shall be grounds for denial of water service. If proper protection has not been provided after a reasonable time, the water department superintendent 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.

18-308. 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 water department superintendent, 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 water department superintendent 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 Environment and Conservation as to manufacture,

model, and size. The method of installation of backflow protective devices shall be approved by the water department superintendent 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 water department superintendent 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 unit has been installed and the continuance of service is critical, the water department superintendent 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 water department 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 water department superintendent.

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 water department superintendent.

18-309. 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 high located on a red background.

18-310. Violations. The requirements contained herein shall apply to all premises served by the city 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 city 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 subject to a penalty under the general penalty provision of this code. Each day a violation is allowed to occur shall be a separate offense.